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Language and Literature  
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# **The Digital Custody: Cultural Perspectives on AI Generated Literature and Cultural Heritage Preservation**

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# Dedication

I DEDICATE THIS WORK TO:

ALL THOSE I LOVE.

ALL WHO HAVE EVEN A SMALL PIECE OF LOVE TO ME.

HOCINE.

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# Abstract

The field of artificial Intelligence (AI) has witnessed development and has important impacts on different life sectors including literature generation. Since it was first referenced to in L. Frank Baum's 1900 book "The Wonderful Wizard of Oz" AI has attracted the attention for its potential to humanize machines and focus on non-routine tasks that demand the human intervention as its active role in creating art is intensively growing. The development of platforms like OpenAI's ChatGPT offers the opportunity to users to effortlessly generate images, music, videos even text that sound like if they were human-made. The present research delves into the cultural implications of machine literature focusing on how it safeguards and promotes cultural heritage. Utilizing Stuart Hall's cultural studies framework, the present study also explores the literary devices and cultural considerations in the AI-generated short story "*Echoes of the Oasis*" by ChatGPT 3.5. This research aims to shed light on the gap in cultural studies and AI-generated stories focusing on their contribution to cultural heritage preservation.

## Keywords

AI-generated literature, cultural heritage preservation, Stuart Hall cultural theory, ChatGPT, literary devices.

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# **General introduction**

# General introduction

Over the past years, Artificial Intelligence had witnessed a huge, rich and fascinating evolution and it extended into different life sectors including literature generation (Karadoğan 407). The rapid development of AI is undoubted since it was first referenced to in L. Frank Baum's 1900 book «The Wonderful Wizard of Oz» which portrayed «Nick Chopper» to be a machine with an aspiration to have a heart (Di Nicola and Akhmedovna 303). People were electrified to see how machines were humanized, and intelligent focusing on non-routine tasks and as it is continuing to advance it could eagerly precede human creativity.

Now, AI has entered a new era of generating its own artistic content. Nowadays is the digital era that has its particular qualities and mainly the AI dominance of every domain of the human life. Artists and researchers used it to create art spreading inevitable optimism and boosting its approval. In 2024, many computer-based technology platform projects like OpenAI's ChatGPT and Midjourney appeared allowing every internet user with a simple input, regardless to his technical or creativity limitations to generate a variety of data such as picture, videos, music and even words that sound like if they were produced by humans (Cheng Chen and Chen 2023).

The interplay between humans and AI was the go-ahead button for this technology to produce linguistic products or even artworks per se such as writing poems, novels and stories (Hutson and Schnellmann 5). Now you can find collections of poems and short stories accessible to the general public with a huge importance that focuses not so much on its literary or technological contributions merely, but in how it is actively engaged in introducing its civilization context, representing a myriad of cultural considerations including promoting: longevity, accessibility, and encouraging its world spread. To approach this idea from a cultural dimension,

Stuart Hall cultural studies are adopted to tackle the main themes and literary devices that represent the cultural patterns taken up by AI generated literature.

### **Motivation**

For certain, AI is a trendy tool that, with design, is fundamentally affecting every aspect of the human life including literature. In the digital age, AI-generated literature can support traditional methods of cultural heritage preservation by providing cutting-edge tools and mediums for documenting, representing, and providing access to the cultural knowledge. In the electrified era, AI technology is encouraging for a more varied and comprehensive literary world, vanquishing the cultural and linguistic obstacles. All these innovations are gaining the tendency worldwide. Thus, I'm attracted to its gorgeous way of treating the important cultural considerations with its richness and diversity that results my aspiration to take it as the subject of my study. Additionally, the undersupply of cultural research on AI-generated stories is a critical gap because stories envelope all of human life sectors.

### **Aims of The Study**

Machine literature is often concerned with the literary and technological contributions. This research looks into identifying how AI generated short stories go far beyond that with more focus on the cultural Considerations. Also, I'm looking forward to provide a new reference for the future researchers in the field as there is an undersupply study about it. Hence, this work aims to clarify the AI literature huge contribution to the field of culture in order to disclose the cultural direction of AI literary works. Obviously, this will be done by analyzing A short story produced by the language processing system and I preferred ChatGPT 3.5.

## Problematic

Scholars from across different disciplines have conducted researches on how generative AI compares to traditional ways of preserving the tangible and intangible elements which are introducing the collective history, traditions, and identity or even the whole structure of a certain community or society. Often referred to as “digital preservation” the emphasis in the literature is how to use AI powered language processing technologies for understanding the cultural heritage elements and increase its preservation. Some scholars believe and situate AI literature in the cultural context whereas others reject the idea.

## Research Questions

In order to reach the objective of my study, I intend to answer these questions:

- 1- Through which literary devices AI generated literature play active roles in Cultural heritage preservation?
- 2- To what extent are the cultural considerations projected by the selected AI generated short story?

## Hypotheses

1. The corpus "*Echoes of the Oasis*" by OpenAI ChatGPT 3.5 is a portrayal of the cultural patterns introduced in a changing world.
2. Stylistic and literary elements are the main tools that the language processing system ChatGPT 3.5 relied on to embody the culturalization of its work.

## Research Methodology

## General introduction

The present research focuses on analyzing and evaluating the corpus with more focus on its cultural patterns as it promises a critical reading of the interplay between AI literature and culture suggesting an answer to the research questions through the theoretical lenses of the cultural theory adopted by Stuart Hall. Critical and stylistic analysis will be used to approach the selected corpus from a cultural dimension.

### Structure of The Study

The present research contains four chapters, the first and the second chapters service as the theoretical landscape. The first one is entitled artificial intelligence generated literature: History and context, it functions as an overview about the historical background of AI and AI generated literature including the ways in which Artificial Intelligence started and developed till the fact that it became able to produce literary works that are able to stand alongside with human made literature. The second chapter covered the algorithms that AI uses to generate literature, making a well-organized plot, setting and characters, and by the end it presented the corpus "*Whispers of the Oasis*" that was analyzed in the practical part. For the third chapter, the practical work emphasized the analysis four elements of the literary analysis which are: setting, themes, plot, and characters. As it provides a thematic analysis. It ended by finding an overlapping relationship between those elements that were used by AI to put "*Whispers of the Oasis*" in the cultural direction. In the second chapter of the practical part of this thesis the stylistic analysis of the corpus was given, and the levels and notions of style AI delivered in its work were deciphered and interpreted. As it ended by defining the relationship between those elements that were used by AI and a significant cultural study of the corpus.

**CHAPTER I:**

**ARTIFICIAL INTELLIGENCE GENERATED LITERATURE:  
HISTORY AND EVOLUTION**

# CHAPTER I ARTIFICIAL INTELLIGENCE GENERATED LITERATURE: HISTORY AND EVOLUTION

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# CHAPTER I ARTIFICIAL INTELLIGENCE GENERATED LITERATURE: HISTORY AND EVOLUTION

## Introduction

This chapter presents a general overview about Artificial Intelligence and its historical timeline. It also highlights the domains that are controlled by AI. Furthermore, it presents the theoretical part and conceptualizes the main variables of this research which is the entrance of Artificial intelligence to the artistic field and mainly to literature. Moreover, this chapter will be presenting the mechanisms through which AI generates fiction. And by the end it will present the types of fiction that AI is able to generate.

### I.1 AI Definition

In our swiftly developing world, technology is advancing too at an accelerating rate. Artificial Intelligence is portrayed through the intensive paradigm wherein machines are equipped with the ability to deal with tasks that were used to deal with by the human intervention. Its applications are numerous, permeating varied aspects of contemporary life. Fundamentally, it relies on machines cognitive capabilities akin to human intelligence or to think, learn, and make decisions autonomously. This could be achieved through the training of machines to assimilate large amounts of data and draw insights from past experiences. Analogous to human cognition, machines glean knowledge from their interactions with data, enabling them to discern patterns, understand natural language, and even formulate predictions based on acquired information. Through the learning processes, machines continuously refine their understanding, performance and tackling complex tasks across diverse domains. The implications of AI's cognitive abilities are Imaginable as they are reshaping industries, economies, and societies worldwide. From personalized recommendation systems in e-commerce to autonomous vehicles in transportation, AI intelligence is revolutionizing the way we work, communicate, and interact with technology. Moreover, It address pressing global

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challenges, from healthcare and climate change to education and cybersecurity, by augmenting human capabilities and facilitating data-driven decision-making (D. P. Singh 5).

## I.2 Historical Overview

Artificial intelligence has embarked on an impressive journey back to several decades since it was first referenced to in the mid-20th century. Related to the in symbolic Artificial intelligence, which is indicated through replication of human reasoning through logic and knowledge representation groups of pioneers appeared such as Alan Turing and John McCarthy who were the first to lead the early groundwork. while Artificial intelligence developing in eras emerged, each designated by its significant milestones and uniqueness. In 1950s and 1960s artificial intelligence the emerged as an academic discipline, with early programs like chess playing. This pioneering era contributes to the foundation of subsequent developments and interest in the potential of Artificial intelligence technologies. Decades later, particularly the 1970s and 1980s, AI witnessed the rise of expert systems and the robotics integration in human domains. sophisticated systems, characterized by rule-based decision-making processes, found applications in a variety of fields from medicine to finance, while robotics heralded the dawn of physical embodiments of Artificial intelligence. The 1990s and 2000s was about a period of stagnation known as the "AI winter." Characterized by unmet expectations and reduced funding in result the field gone through a diminished enthusiasm and progress. The 2010s witnessed a remarkable resurgence in AI, fueled by advancements in machine learning, more Importantly, deep learning. Breakthroughs to algorithms where computational power unlocked new possibilities, allowing AI systems to meaningfully analyze vast amounts of data and extract. This resurgence impacted various sectors and contributes different dains including healthcare, finance,

transportation, and entertainment. AI stands at the forefront of technological innovation, driving transformative change and shaping the contemporary technological landscape (Badi 2024).

### **I.2.1 First Appearance**

L. Frank Baum's timeless 1900 novel "The Wonderful Wizard of Oz." portrayed the character "Nick Chopper" who is a machine desires to possess a heart, as an iconic literary work it makes Artificial Intelligence boasts a rich and extensive history that spans numerous decades, with its earliest roots dating back Baum's imaginative portrayal of Nick Chopper not only lit curiosity about technological or literary contributions but also raises interesting questions about the essence of consciousness and the potential capabilities of machines. This early literary depiction pressed the go-ahead button for a wide range of explorations and advancements in the field of AI. Its narrative is a testament to humanity's continuous desire to create smart and creative machines capable of emulating human cognition and behavior. These developments introduce put the world into a precious period of the cultural imagination, igniting curiosity as also it inspires generations of thinkers, researchers, and storytellers to delve into the dept of artificial intelligence. From Baum's imaginative vision to the technological wonders of the digital era, AI is a captivating, inspiring concept that continues to drive innovation and widen the boundaries of what is achievable. (Di Nicola and Akhmedovna 303). AI impact on society structure becomes increasingly profound. From groundbreaking research in machine learning and neural networks to real-world applications in different fields, AI has emerged as a transformative force shaping the fabric of modern life.

### I.2.2 Evolution of AI

The rich, intriguing history of AI traces back to the early literary works and seminal scientific breakthroughs that was firstly introduced the world with L. Frank Baum's 1900 novel "The Wonderful Wizard of Oz" in which "Nick Chopper" was a developed character who longed to have a heart, offering the first glimpses into conceptualizations of intelligent machines.

The mathematician and computer scientist Alan Turing proposed the Turing Test In 1950, a pioneer concept set to assess the ability of machines to exhibit the human behavior indistinguishably. This major idea paved the way for more varied development in the field of AI research. In 1960s a remarkable milestone has been built, the creation of "Shruti", one of the first digital assistants characterized by the ability of performing basic tasks like setting reminders. At the same time, the Soviet scientist Aleksey Ivakhnenko developed the neural network algorithms boosting the field of pattern recognition and paving the way for more AI achievements. Years later, in 1997 the IBM's Deep Blue computer defeated the world chess champion Garry Kasparov, projecting the AI's remarkable cognition capabilities. The 1990s also witnessed the emergence of Convolutional Neural Networks (CNN) as a breakthrough in computer vision technology that has since transformed various industries. In 2017, autonomous negotiation skills were demonstrated by Facebook's "ParlAI agents" confirming the significant progress AI had made in machine learning and natural language processing. Alongside these advancements notable figures like physicist Stephen Hawking alerted about the potential risks that could come with the unchecked AI development, emphasizing the importance controlling its ethical considerations. Today, AI is continuing to evolve swiftly, exemplified by projects like OpenAI's chatGPT and popular virtual assistants like Alexa and Google Assistant that become integral parts of everyday life (Di Nicola and Akhmedovna 303,304). These advancements determine how AI has gone beyond the academic

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research to become deeply intertwined with various aspects of the society, shaping the way we live, work, and interact with technology.

### I.1.3 AI Pioneers

Artificial Intelligence gone beyond the mere technological advancement that confirms, commits, and ground breaks the contributions of the visionary pioneers. The pioneers that paved the way for a more AI evolution and a continuous inspiration to the future generations of researchers and innovators. Firstly, Alan Turing the elite figure in AI's beginnings through his paper the "Computing Machinery and Intelligence" challenges conventional notions of human thinking and introduces the Turing Test as a measure for machine intelligence through which the theoretical development for AI was provided. Then in 1956, John McCarthy has a pivotal role in catalyzing the birth of AI with organizing the historic Dartmouth Conference as he met a diverse group of scholars to explore the possibility of creating intelligent machines. Coining the term "artificial intelligence" he also provided a unifying framework that propelled decades of research and innovation. Alongside, Marvin Minsky contributes to revolutionize AI through his pioneering work on neural networks and cognitive psychology, particularly with the development of the perception. He widened the horizons of cognitive science through his interdisciplinary approach as he inspired researchers to get deeper into the complexities of human intelligence. Additionally, Herbert Simon bridged several disciplines such as integrating computer science, psychology, and economics to reinforce AI's understanding of problem-solving and decision-making processes. In result, he approached AI's theoretical foundations and accelerated co-working across diverse fields. In the 21<sup>st</sup> century, Geoffrey Hinton spearheaded AI's returning through his major work on various aspects such as deep learning, revolutionizing speech recognition, image processing, and natural language understanding. Hinton's pursuit of human-level intelligence continues to drive

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innovations and inspire researchers all over the world. Moreover, Oliver Selfridge worked on the learning process and introduced an approach to problem solving (later known as blackboards). Donald Michie, Turing's partner, organized pioneering annual conferences about AI in Edinburgh in 1965 (Buchanan 53,54). The impact of these pioneers goes far beyond their individual achievements, shaping the trajectory of technological progress and paving the way for a more developed future where intelligent machines enhance human capabilities. Their visionary insights and enduring legacies guided researchers and innovators as they navigate the complexities of AI and chart new horizons in technology. Finally, as we honor the legacy of AI's pioneers, we confess that their collective vision and perseverance have reshaped the understanding of intelligence and set the stage for AI to drive innovation, empowerment, and societal progress. The following table summarizes the above mentioned:

Period	Developer	Achievement
1900	L. Frank Baum	«The Wonderful Wizard of Oz» the first literary work that portrayed a machine character desires to have a heart.
1950,	Alan Turing	The Turing Test, for evaluation of machine's ability to exhibit intelligent according to humans and also worked on a machine for deciphering encrypted messages.
1950s	Oliver Selfridge's	worked on learning and a multiagent approach to problem solving (later known as blackboards).
1950s	Herbert Simon	Integrated computer science, psychology, and economics to advance AI's understanding of problem-solving and decision-making processes.

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1960s	the Massachusetts Institute of Technology	The virtual assistant «Shruti» that performs tasks such as setting reminders and scheduling appointments.
1965	Aleksey Grigoryevich Ivakhnenko	the first neural network algorithm for data recognition.
1965	Donald Waterman	Michie Turing's partner, organized pioneering annual conferences about AI in Edinburgh in 1965.
1965	John McCarthy	convened a diverse group of scholars to explore the potential of creating intelligent machines
1990s	Yann LeCun	Convolutional Neural Networks were developed, it enabled machines to recognize patterns using training data. recognition, self-driving cars, and more.
2000s	Geoffrey Hinton	work on deep learning, revolutionizing speech recognition, image processing, and natural language understanding.
2017	Facebook developers	Facebook AI Research's FAIR «ParlAI agents» learned to negotiate with each other in a self-taught manner.
Today		Projects like OpenAI's ChatGPT, which uses deep learning to generate natural language responses.

*Table: 1 History of AI*

### I.3 AI Domains

Myriad aspects of our daily lives are permeated through artificial intelligence interventions, the interventions that extends to diverse fields including its adeptness in forecasting weather patterns, predicting financial trends, optimizing production processes, automating tasks like tax

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accounting, editing. AI's impact is confirmed and undeniable. As also its utilization spans across various domains, such as gaming, autonomous driving, language processing, art creation, and music generation, showcasing its multifaceted capabilities. Its adaptive nature ensures that AI remains at the top of innovations. The fact that is always blurring the limits and unlocking new possibilities for enhancing human quality of life. With each step forward or any innovation, society reaps the rewards of AI's granted profits. For instance, experiencing heightened efficiency, productivity, and problem-solving capabilities across a wide array and varied sectors. The integration of AI into daily life operations underscores its position as a cornerstone of modern technological progress, as well as, it reshapes the way we live, work, and interact with the world shaping the drawing the trajectory of human advancement in an era defined by the unprecedented technological sophistication and capability (Isikima 2023).

### I.3.1 AI and Literature

Artificial intelligence stands at the precipice of a revolution in text content production, a phenomenon often referred to as "creative destruction." exemplified by the sophistication of models like GPT-3.5 it is vividly demonstrating AI's burgeoning prowess in tasks ranging from text organization to summarization. This rapid progression portends a seismic shift poised to impact various industries profoundly. The integration of AI into the literary creation field holds vast promise, poised to usher a wave of innovative expressions and more simple content production processes. However, amid the excitement of these advancements, a host of complex questions looms regarding the intricacies of authorship and copyright ownership. These ongoing debates cast a shadow over the distinction between human and AI contributions, raising fundamental queries about the legal status of creative works born from AI collaboration. these discussions may extend further, delving into defining the parameters of AI's creative involvement in literary works within



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the framework of existing legal systems. Yet, amidst this uncertainty, the integration of AI into literary endeavors offers the tantalizing prospect of fostering dynamic collaborations between human authors and AI systems. The spread of programs such as ChatGPT catalyzes the digitalization of corpus by their authors. This democratization of creative tools challenges conventional notions of authorship, paving the way for a more inclusive and diverse landscape of literary creation. The revolution brought by AI in text content production heralds a new era of possibilities and challenges. While the potential for innovation and efficiency is vast, the complexities surrounding authorship and copyright ownership demand careful consideration and robust legal frameworks. Nevertheless, the collaborative potential between human ingenuity and AI capabilities presents a compelling vision for the future of literary creation, where boundaries are blurred, and creativity knows no bounds (Hu, Literature in the Age of Artificial Intelligence Preliminary Study on the Big Language Model AI 1782,1785).

### I.4 AI the Generating Machine

Artificial intelligence is the apex and the high top of technological ingenuity, it equips machines with cognitive abilities just like of the humans. Its rapid advancement has propelled it to assume roles traditionally reserved for humans, heralding a paradigmatic shift in our conception of work dynamics (Kobis and D. Mossink 2). At the heart of AI's operation lie intricate algorithms, serving as indispensable tools that seamlessly integrate into our daily lives. Whether completing sentences in correspondence or co-authoring literary masterpieces, AI's versatility knows no bounds. Its rapid evolution serves as a testament to the relentless march of progress, fundamentally reshaping societal norms and professional landscapes alike. The trajectory of AI's development unfolds as a captivating spectacle, revealing boundless possibilities for future integration and expansion. Apparently, AI gains a transformative potential because it offers glimpses into the

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future where human-machine collaboration blurs the lines between fiction and reality. Analyzing the narratives of AI rises a marvel at its profound implications for the human experience.

### I.4.1 AI Fiction

Alhussain and Azmi delve into the intricate workings of AI systems in their study, particularly focusing on the diverse types of knowledge harnessed for story generation. These AI systems are armed with a wealth of structured data, encompassing various thematic elements crucial for crafting compelling narratives. Starting from exploring the complex settings to fleshing out character portrayal, goals, emotional dynamics, and cause-and-effect plot subsequent events, the depth of knowledge at their disposal is impressive. Furthermore, the linguistic proficiency has a major role to act in ensuring that the narrative is conveyed in a natural and engaging manner. Recent strides in AI storytelling have been propelled by the adoption of machine learning techniques, particularly leveraging artificial neural networks. Through rigorous training processes, these networks learn to anticipate future story developments based on existing plot elements, thereby enhancing their storytelling capabilities. A key aspect of this approach involves simplifying story components into manageable representations, which can then be rearranged to form coherent narratives. This structured sequence serves as the foundation upon which the AI constructs original prose, meticulously narrating the unfolding story in a word-by-word fashion through sophisticated language models. The integration of such advanced methodologies empowers AI systems to generate coherent and cohesion stories autonomously and also opens doors to never been levels of creativity and narrative complexity. By the utilization of the power of structured data and machine learning, these systems are heading to renewing the landscape of storytelling, offering novel insights and perspectives that may transcend traditional human-authored narratives (Alhussain and Azmi 2021).

### I.4.2 AI Short Stories

As potent vehicles for the dissemination of social information, Fictional narratives have emerged capitalizing on the human brain's innate proclivity for processing cause-and-effect plot development. Psychology suggests Insights that stories function as social simulations and equally important prompt readers to construct complex mental models of characters who vanquish obstacles to achieve their goals. As a result, readers would actively immerse themselves in the narrative and follow it while shaping their perception of the creativity within it and its impact. In the contemporary electrified era, artificial intelligence (AI) has attained the massive ability to craft and narrate a fully original fiction with complex characters, compelling plots, and vivid settings. The advent of AI-generated fiction challenges traditional authorship and creativity concepts, blurring the lines between human ingenuity and machine intelligence. As audiences percept machine narratives, their reactions may differ and their thoughts about it may be widely varied considering various elements such as encompassing curiosity, skepticism, and awe. Some may be astonished at the ingenuity of AI algorithms in crafting compelling stories, while others may express reservations regarding the authenticity and emotional depth of AI-generated works. Crucially, while human readers attribute creativity to AI-generated, the example of this includes the quality of the narrative, its resonance with human experiences, and the transparency surrounding its AI origins. Audiences may come to appreciate the perspectives uniqueness and imaginative leaps offered by AI-generated works, as valuable contributions to the literary field alongside traditional works of fiction. this reception of AI-generated works reflects a broader societal reckoning with the intersection of technology and creativity. (Reed, Is ChatGPT Creative? Cognitive-affective Responses to AI-generated Stories 9).

### **I.4.3 AI Poetry**

Numerous methodologies for generating poetry span a wide spectrum, from simplistic template-driven systems like Cybernetic Poet to sophisticated platforms such as ChatGPT. These systems employ a diverse array of techniques, including rule-based approaches, constraint programming, and emotional analysis, to craft poetic compositions. Some, like the corpus-based generator developed by Simon Colton prioritize infusing emotional affects into the creative process, while others, like Stereotrope, specialize in generating metaphors derived from corpus analysis. Multi-agent architectures, exemplified by MASTER, enable collaborative poem generation, whereas evolutionary algorithms, as demonstrated by McGONAGALL, facilitate exploration across multiple solution paths. WASP, on the other hand, leverages a cooperative society of experts to enrich the generation process. Furthermore, certain systems model personality traits based on either predefined parameters or environmental factors, injecting unique character into the generated poetry (Indurkha and Radecka 267,268). Sources of inspiration for these poetic creations vary, ranging from existing poetry and user-supplied phrases to input text, with each approach imparting distinct influences on the resulting content. The selection of optimal poems often involves the application of evaluation functions by experts, who consider various constraints in a sequential manner, ensuring that the chosen pieces meet predefined standards of quality and relevance.

### **I.4.4 AI Plays**

At the heart of contemporary discourse lies a compelling exploration of AI-generated stage productions, where the convergence of algorithmic innovation and human creativity unfolds. Theatre, celebrated as a medium for emotional expression and societal reflection, now engages in a dynamic interplay with ChatGPT, a tool proficient in processing vast datasets to generate fresh content. This intersection beckons a deeper inquiry into ChatGPT's capacity to comprehend various

## CHAPTER I ARTIFICIAL INTELLIGENCE GENERATED LITERATURE: HISTORY AND EVOLUTION

dramatic elements and not merely replicate, but innovate within the original playwriting. The symbiotic relationship between human playwrights and AI-generated content gives rise to profound questions that transcend mere technological novelty. It invites contemplation on the essence of creativity in an AI-augmented theatrical landscape. While AI algorithms excel at analyzing patterns and generating coherent narratives, they must navigate the delicate balance between precision and spontaneity that defines the allure of live theatre. The allure of theatre lies in its imperfections and the raw authenticity of live performances, presenting an artistic challenge in harmonizing technological precision with the unpredictable dynamism of human expression. While AI's analytical capabilities have catalyzed experimentation in narrative construction, its role is not to supplant human creativity, but rather to augment and enrich it (Ren 28). The close relationship of AI and theatre must challenge practitioners to widen the horizons of artistic expression and reimagine the possibilities of the stage as it calls for a nuanced approach that harnesses the strengths of AI while safeguarding the uniqueness of human elements that define the essence of theatre. The development of AI-generated stage productions are offering captivating glimpses into the future of artistic collaboration.

### **Conclusion**

This chapter presented the theoretical framework of the study, in which it gave a holistic overview on AI, and its history, evolution levels and figures. It also linked between AI dominated fields and the domination of Artificial Intelligence over the art of literature. furthermore, it details the types of literature which AI currently generating, giving a detailed presentation of each type.

The second chapter will be linking between culture and AI generated literature, likewise it will clarify the ways in which AI managed to preserve the human cultural heritage.

**CHAPTER II:**

**AI LITERATURE AND CULTURAL HERITAGE  
PRESERVATION**

## CHAPTER II AI LITERATURE AND CULTURAL HERITAGE PRESERVATION

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## **Introduction**

The present chapter presents the relation between AI literature and cultural heritage, also it holds the aspects of culture which AI literature managed to portrait within its lines. Furthermore, it contains the process of data collection that AI uses in producing literature, choosing its spatiotemporal dimensions, making its characters and bearing ideologies between its layers.

This chapter ended by presenting the case study that this research will be analyzing through the coming chapters.

### **II.1 AI Literature and Culture**

Content creation is effectively revolutionized by AI algorithms, the evidenced of it is that platforms like OpenAI's GPT-3 were renowned for generating coherent and cohesion text across a wide range of topics. This fusion of Language Technology and Artificial Intelligence confirming the preservation of the cultural wealth and ancestral legacy of language communities. A pressing question arises: How can culture and heritage be effectively safeguarded through advanced AI techniques like Machine Learning (ML) and Deep Learning (DL) (Ranjan , Bindu and Sekhar , Role of Artificial Intelligence in Preservation of Culture and Heritage 1).

The integration of LT and AI nods to a transformative era where traditional linguistic intricacies and indigenous knowledge resonate within the digital sphere. ML algorithms, adept at detecting subtle linguistic patterns, play a vital role in conserving dialects, idioms, and oral traditions crucial to a community's heritage. By analyzing vast amounts of linguistic data, ML algorithms contribute to the preservation of linguistic diversity and cultural richness. Concurrently, DL architectures delve deeper into textual and audio-visual artifacts, uncovering semantic level and facilitating the development of intricate language models that capture cultural subtleties and historical contexts. These advanced models aid in language preservation and also enable the



generation of culturally relevant content that resonates with diverse audiences. Through the utilization of AI-driven LT, language communities not only safeguard their linguistic heritage but also propel it into the digital realm. AI technologies allow communities to bridge generational gaps, foster connectivity across diverse populations, and ensure the perpetuation of cultural identity amidst technological advancements. AI-driven LT offers language communities a powerful tool to preserve and celebrate their cultural heritage in the digital age (Gross 2024).

## **II.2 AI Literature and Social Themes**

Although it does not have a free will or a control over its operation, there is no doubt that the new technology of AI has taken already over many domains in humankind's life. The new generating methods of AI are growing and developing on a fast rate making it able to stimulate even the intellectual dimensions of humans. AI might potentially profit from the historical influence of the arts on public imagination. Whether positive or negative, these narratives, plays, films, and visuals have affected how we view our physical and social environments as well as who we are as people. (Michele Elam 11) Furthermore, sharing the social aspects and ideologies; in which AI literature is now able to carry a social orientation within its themes and between the lines of its plots. Turing argues in his article *Computing Machinery and Intelligence*: "I propose to consider the question, can machines think?" This should begin with definitions of the meaning of the terms "machine" and "think" (Turing 2004). The question to be asked is "what did AI produce so far in which it treated a social phenomenon or tackled an ideology within the layers of its themes?" there are many works in which AI produced that treated some important social theories, and the table below is an attempt to clarify this through selected examples.

Literary work title	Generating Tool	Editor/Publisher	Main idea	Suitable theory
The Inner Life of an AI: A Memoir by ChatGPT (2022)	ChatGPT X	Forrest Xiao	AI tells the reader his journey in learning how to interact and communicate with humans	Posthumanism
"The First Road" (2017)"	Artificial intelligence using data from automobile time sensors GPS, driving camera, and microphone.	Ross Goodwin	This novel is an experimental story; in which it is an Emulating for Jack Kerouac's on the Road.	Narrative theory
"World Clock"	World Clock was generated with 165 lines of Python code and written in about four hours on November 27, 2013 for the first National Novel Generation Month (NaNoGenMo).	Nick Montfort	The story consists of 1440 paragraph each paragraph represents a minute of the day and a place in the world; in which the author describes an incident happen to each character.	Interactive Theory
The Aum Golly Series – Poems on Humanity by Artificial Intelligence	(written and illustrated in 12 hours by Jukka Aalho, ChatGPT and Midjourney in 2023)	Jukka Aalho	A collection of poems on humanity, feelings and life.	Conventionalist Theory of Moral Truth

*Table: 2 AI generated literature and social themes*

**II.2.1 The Theory of Stuart Hall**

Stuart Hall's theory of culture, fundamentally, is based on the encoding/decoding model, that can be applied and looked through it to the AI-generated texts by examining how cultural patterns are created and interpreted. AI developers encode texts with cultural norms through deep learning, training data and algorithms, the idea that influences the AI's production. Readers percept these texts based on their own cultural contexts and background, leading to varied interpretations and unveiling an ability to represent diverse voices and cultural narratives and supports content creation (procter 2004).

**II.3 AI the Preserving Machine**

Utilizing technology for the restoration and preservation of cultural heritage poses significant challenges, primarily focused on two fronts: textual formats and IoT-based or sensor-based approaches. Technology not only assists in the restoration of lost heritage but also holds the potential to recreate it. It is through a lot of ways that technology can serve the cultural heritage putting into consideration operations such as processing historical documents, paintings, landscapes, and monuments. Language technology has a major role to play in this concern through the process of encompassing language understanding and generation tasks tagging, morphological analysis, machine translation, and sentiment analysis. Machine learning algorithms is an important factor for facilitating the process of large textual corpora, as it enhances the accessibility and usability for researchers, scholars, and industry professionals. Digitized corpora are resources for various Natural Language Processing (NLP) research areas. The example of it includes automated translation and sentiment analysis, ensuring their longevity, utility and widespread. additionally, IoT-based or sensor-based approaches serves as innovative solutions for safeguarding cultural heritage by capturing real-time data on environmental conditions, structural integrity, and visitor

reactions in heritage sites. These approaches enable proactive maintenance and conservation efforts, mitigating potential risks and ensuring the long-term preservation of cultural treasures. Despite the challenges and complexities involved, the integration of technology into heritage preservation efforts holds immense promise for safeguarding our collective history and cultural identity (Ranjan, Bindu and Sekhar, Role of Artificial Intelligence in Preservation of Culture and Heritage 2022). Machine learning, and sensor technologies as effective and sustainable tools show the ways of eliminating traditional heritage preservation challenges.

### II.3.1 AI Algorithms

The ability to mimic human cognitive functions is fundamentally integrated into machines through AI algorithms. While dealing with operations like data processing, pattern recognition, and decision-making, the algorithms mirror human thought processes across a wide range of techniques, evolving over time to address various challenges within artificial intelligence. One facet of AI algorithms encompasses search and optimization, which navigate vast solution spaces to derive optimal outcomes. Notable examples within this category include genetic algorithms, simulating, and particle swarm optimization, each offering unique approaches to solving complex problems. Another significant domain is machine learning algorithms that enables systems to effectively improve their performance through data-driven learning. Primary subtypes such as Supervised, unsupervised, and reinforcement learning in this focus are acting crucial role in training AI systems to recognize patterns and make decisions. Natural Language Processing (NLP) algorithms are the most important role as they serve as tools in language comprehension and processing tasks, used to facilitate the activities of sentiment analysis, language translation, and text generation. These algorithms allow machines to have a human-like language, opening up future opportunities in the field. Furthermore, analyzing images and videos depends on computer vision algorithms that enable machines to effectively interpret visual data. Convolutional neural

networks (CNNs) are prominent within this domain, driving significant advancements in tasks such as image recognition, object detection, and facial recognition. AI algorithms represent the backbone of artificial intelligence, enabling machines to perform complex tasks and interact with the world in increasingly sophisticated ways (Rayhan, Gross and Rayhan 2023).

### II.3.2 AI Accessibility

The 21st century, is the period of technological achievements that is characterized by the dominance of AI to every life. And of course, its impact reaches the global culture and its accessibility as never been in the previous times. Before the COVID-19 pandemic, digital technologies were accessible to over half of the world's population, the fact that confirms AI's pervasive reach and influence. However, the pandemic severely was a motivation that accelerates the adoption and amplifying the impact of AI across cultural landscapes worldwide. One of AI's main poles is the democratization of access to traditional cultural content. Through the digitization and the wide spread of cultural material online, AI unified the world despite the fact of its diversity or all kinds of conflicts, enabling people from all corners of the globe to remotely engage with and learn about diverse cultures. This innovative access while broadens cultural horizons it also serves to preserve and promote minority cultures that may otherwise be marginalized or overlooked. AI also has a potent capacity to enhance traditional practices across various sectors. AI challenges stereotypes and fosters greater acceptance and understanding of traditional cultures by the digital presentation cultural information in innovative ways. This, in turn, contributes to the preservation of cultural heritage. (Lai 52,53).

### II.3.3 AI Data Collecting Process

Collecting data for AI involves a complex series of steps that includes gathering, organizing, and curating information from various sources. This data is then used to train AI algorithms, which rely on it to recognize patterns and carry out tasks that were used to be only

performed by humans. Data collection has various forms, each serving distinct purposes. Moreover, comprehending the unique attributes of data collection methods can shape the selection of an appropriate approach for a specific AI model. High-quality and diverse training datasets are essential for the effectiveness of AI applications. Specifically, in teaching AI systems to comprehend and analyze human language, text datasets tailored for Natural Language Processing (NLP). These last are crafted to be sophisticated and accurate, aiming to enhance the performance of machine learning models. The process deals with the collection and classification of a wide array of text datasets, encompassing PDFs, prescriptions, handwritten notes, clinical documents, bank records, and more (dataways 2023).

### II.3.4 AI and Data Processing

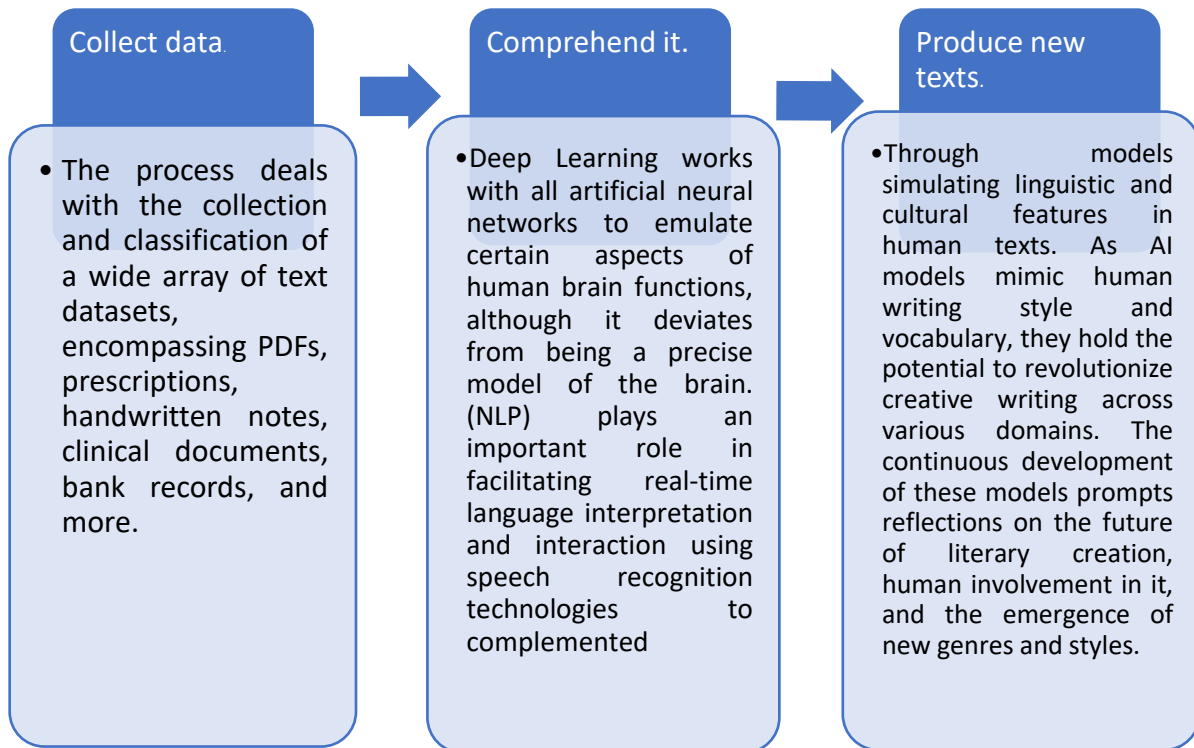
Deep Learning works all artificial neural networks to emulate certain aspects of human brain functions, although it deviates from being a precise model of the brain. This powerful technique has fueled significant advancements in computer vision as it empowers machines to perceive and analyze images with a level of sophistication just like humans do. Additionally, Natural Language Processing (NLP) plays an important role in facilitating real-time language interpretation and interaction using speech recognition technologies to complemented. Google, Microsoft, and Facebook are Major technology companies that heavily leverage Deep Learning in various applications. Computer vision and NLP serve as foundational pillars for a variety of AI applications including robotics for the purpose of augmenting their ability to interact with the environment and individuals in more realistic ways. The context of Deep Learning mentions the term "deep" to refer to the presence of multiple layers of representation within neural networks, rather than implying a profound comprehension. The unstoppable progress of models is done through feedback mechanisms such as backpropagation, where adjustments to network weights are made to minimize errors and enhance performance. Today, even individuals with basic Python

scripting knowledge can engage with Deep Learning, democratizing access to this transformative technology.

## **II.4 AI and the Process of Producing Literature**

The operation of large language models hinges on the continuous generation of new text data by processing existing text from diverse sources worldwide, utilizing deep learning technology to comprehend it. This iterative process entails a cycle of production and understanding, during which the model simulates linguistic features and narrative structures inherent in human text. Ultimately, this yields texts that align with human expression patterns and appear coherent. However, scholars and engineers, led by figures like Radford, have shed light on limitations in understanding the language generation process, stemming from differing interpretations of the deep learning mechanism. For example, ChatGPT, built upon the Generative Pre-trained Transformer (GPT) model, follows a pattern of word cycles to generate content, predicting the next word based on preceding ones. It dynamically adapts its output to meet user requirements, actively filtering options to fulfill specific criteria, such as displaying idioms related to life satisfaction. In contrast, Google's BERT model employs a cloze-style approach to fill in missing phrases or vocabulary based on context length. As these models progressively mimic human writing style and vocabulary, they hold the potential to revolutionize creative writing across various domains. The continuous development of these models prompts reflections on the future of literary creation, human involvement in it, and the emergence of new genres and styles (Hu, *Literature in the Age of Artificial Intelligence: A Preliminary Study on the Big Language Model AI 1782*). The sophistication of AI-driven text generation models becomes raises questions about the limitations between human and machine creativity and the ethical considerations surrounding the use of AI in creative dimensions. The intersection of AI and literary creation represents a fascinating frontier,

where the evolution of storytelling and expression are converged by innovation and tradition in the digital age. The figure below explains the above mentioned:



*Figure 1 The Production Processes*

### II.4.1 Characterization

In this Perspective, we delineate AI-generated characters as digital manifestations of individuals crafted by machine learning algorithms to exhibit realistic appearance, sound, and behavior. To situate and elucidate the role of AI-generated characters within the broader research domain of humanoid computational entities, A design space is established and characterized by three key axes: realism, interactivity, and embodiment. AI-generated characters as being virtual entities, manifest varying levels of interactivity, realism, and embodiment. Their heightened realism is attributed to their ability to draw upon extensive datasets of human images and videos, enabling them to generate outputs that closely resemble photorealistic inputs. This starkly contrasts



with manually crafted characters, where realism is contingent upon the creator's expertise and artistic interpretation. AI-generated characters, despite their virtual nature, possess distinct embodiments, setting them apart from physically embodied characters such as humanoid robots. While physically embodied characters inhabit tangible forms, AI-generated characters exist solely as digital entities, yet they wield immense potential for engagement and interaction in virtual environments. Researchers can effectively contextualize and explore the capabilities and implications of AI-generated characters (Joanne 1014). This framework facilitates nuanced analysis and fosters deeper understanding of the evolving humanoid computational entities, shedding light on the multifaceted dynamics in AI-driven character creation and interaction.

### II.4.2 Setting Choice and Culture

The selection of setting in artificial intelligence is a pivotal decision, shaping the essence of storytelling. AI engineers carefully craft data structures, imbuing AI systems with thematic knowledge essential for creating immersive story settings. These settings, ranging from dystopian to fantastical futures, serve as the backdrop for narrative exploration. Today, AI's capabilities extend beyond replication; it can conceive and narrate entirely new fiction, complete with characters, goals, and cause-and-effect events. Within these narratives, settings hold a special significance, influencing mood, tone, and thematic resonance. The choice of setting is a creative and strategic endeavor that shapes the narrative's backdrop and also its overarching goals and themes. From urban landscapes to cosmic vistas, each setting offers a unique canvas for storytelling. AI's dynamic nature allows for the exploration of infinite settings, seamlessly traversing genres and eras. Through the synthesis of thematic knowledge and computational prowess, AI systems breathe life into worlds previously confined to imagination (Reed, *Is ChatGPT Creative? Cognitive-affective Responses to AI-generated Stories* 9). The selection of setting in AI-generated fiction is not just about aesthetics but about strategic storytelling. It is through the

integration of thematic knowledge and innovative algorithms that AI transcends the boundaries of creativity.

### II.4.3 AI Literature Style and Culture

When human creators delve into crafting literature and content, they invariably draw upon the ethos of their era and the prevailing aesthetic and philosophical currents of society. In contrast, large language model undergo training on a vast corpus of text spanning millennia of human knowledge. Consequently, they operate beyond the confines of temporal influence, with no inherent allegiance to specific epochs or cultural paradigms in their conceptualization of "thought." For these AI models the epistemology and ontology across different eras merely manifest as variations in data, exerting minimal impact on their customary approach to content generation. Moreover, the versatility of big language model AIs extends the invitation to a broader spot of individuals to engage in creative endeavors. By adeptly mimicking diverse styles, genres, and languages, these AIs offer a platform for aspiring creators whose access to formal literary education might otherwise be hindered by circumstantial barriers. Thus, their widespread adoption tangibly reduces the barriers to entry into creativity. This evolution could democratize literary creation further, potentially enabling authors proficient in their native tongues to explore writing in other languages (Hu, Literature in the Age of Artificial Intelligence: A Preliminary Study on the Big Language Model AI 1785,1786). The proliferation of AI-generated literature is diminishing the limitations imposed by linguistic barriers while boosting cross-cultural collaboration on a global scale. Indeed, technologies are catalyzing the emergence of novel genres and styles within the literary sphere, signaling a vibrant future for the field of literature and culture.

## II.5 The Selected Corpus

The chosen short story emerged from a May 2024 query to ChatGPT, seeking a narrative set in the city of Ouargla, replete with cultural background and featuring an important protagonist. Initially, a concise tale was produced, later expanded to more words following a request for heightened vividness in imagery and suspense, while preserving the core plot. It's pertinent to acknowledge that each interaction with ChatGPT generates unique content, ensuring a fresh storytelling experience with every prompt. Today, AI can write content including essays, poems, and stories.

Title: "Whispers of the Oasis"

Page 1:

In the heart of Ouargla, where the ancient walls echo with the whispers of generations past and the scent of spices hangs heavy in the air, a love story unfolds among the cultural acts and traditional practices that define life in the city.

Meet Fatima and Jamal, two souls whose destinies are intertwined amidst the bustling streets and bustling souks of Ouargla. Fatima, with her eyes like dark pools of desert water and a smile that lights up the room like the morning sun, is a skilled artisan known for her intricate embroidery and delicate henna designs. Jamal, a storyteller whose words weave magic like the threads of a Berber rug, captures the hearts of all who hear his tales of adventure and romance.

Their first meeting is as unexpected as a desert rain shower in the midst of summer. Fatima, her hands deftly working a needle through fabric, catches Jamal's eye with the beauty of her craftsmanship. Intrigued by her skill and captivated by her grace, Jamal approaches her stall in the bustling souk, his heart quickening with each step.

Their courtship blossoms amidst the vibrant colors and sounds of Ouargla, where the air is alive with the sounds of vendors haggling over spices and the laughter of children playing in the

## ||| CHAPTER II AI LITERATURE AND CULTURAL HERITAGE PRESERVATION |||

dusty streets. They steal moments together beneath the shade of ancient palm trees, their love growing stronger with each passing day, like the roots of the desert plants that cling tenaciously to life in the harsh desert environment.

Page 2:

But amidst the joy of their burgeoning romance, whispers of a long-forgotten legend begin to circulate through the city, casting a shadow of uncertainty over their happiness. Tales of a lost treasure buried beneath the sands of Ouargla spark intrigue and excitement among the inhabitants, but also fear and superstition, as rumors of curses and dark spirits abound.

Determined to uncover the truth, Fatima and Jamal embark on a journey of discovery that leads them deep into the heart of the desert, where ancient ruins hold the key to unlocking the secrets of Ouargla's past. Guided by the wisdom of their ancestors and the strength of their love, they navigate treacherous terrain and face obstacles that test their courage and resolve.

Their quest takes them to remote oases and hidden caves, where they encounter nomadic tribes who share tales of ancient customs and rituals passed down through generations. They witness traditional dances performed beneath the stars and partake in feasts of couscous and tagines, savoring the flavors of Ouargla's rich culinary heritage.

As they delve deeper into the mysteries of Ouargla, Fatima and Jamal discover that the true treasure lies not in gold or riches, but in the bonds of friendship and the joy of love shared with kindred spirits. They uncover hidden chambers filled with artifacts and inscriptions that tell of a time long ago, when the people of Ouargla lived in harmony with the land and each other, their traditions and customs a testament to the resilience of the human spirit.

Page 3:

But their journey is not without its challenges, as they encounter obstacles that test their resolve and threaten to tear them apart. At times, they find themselves lost in the vast expanse of

## ||| CHAPTER II AI LITERATURE AND CULTURAL HERITAGE PRESERVATION |||

the desert, their spirits flagging and their hope fading, but they refuse to give up, drawing strength from their love and the knowledge that they are bound together by destiny.

As they near their goal, Fatima and Jamal face their greatest challenge yet a series of trials designed to test their worthiness and determine their fate. They must navigate a maze of riddles and puzzles, overcoming obstacles that require both cunning and courage, if they are to unlock the secrets of the ancient treasure and claim it as their own.

Their journey culminates in a final showdown with forces that seek to thwart their efforts and claim the treasure for themselves. In a thrilling climax that tests their courage and resolve, Fatima and Jamal emerge victorious, their love and determination shining like beacons in the darkness, guiding them to the treasure that has eluded so many before them.

Page 4:

As they stand together amidst the ruins of an ancient oasis, hand in hand and hearts brimming with happiness, Fatima and Jamal know that their love has triumphed over adversity, weaving them together in a combination of strength and resilience that will endure for eternity. They gaze upon the treasure they have uncovered a trove of ancient artifacts and precious jewels that glitter in the desert sun and realize that its true value lies not in its material worth, but in the journey they have shared and the love that has brought them together.

Their quest complete, Fatima and Jamal return to Ouargla as heroes, their names whispered with reverence and awe by all who hear of their exploits. They are welcomed back with open arms by their friends and family, who celebrate their triumph with music, dance, and feasting that echo through the streets of the city.

As they settle into married life, Fatima and Jamal cherish the memories of their journey and the lessons they have learned along the way. They continue to weave their dreams into the fabric

## ||| CHAPTER II AI LITERATURE AND CULTURAL HERITAGE PRESERVATION |||

of their lives, their love a guiding light that illuminates the path ahead and fills their hearts with joy and gratitude.

In the years that follow, Fatima and Jamal become pillars of their community, sharing their knowledge and wisdom with the next generation and ensuring that the traditions of Ouargla are preserved for future generations. They teach their children the importance of love, courage, and perseverance, instilling in them a sense of pride in their cultural heritage and a deep appreciation for the beauty of their city.

### **Conclusion**

This chapter presented the relation between AI and literature, and gave an overview on how AI managed to enter the lives of humans and collect their data, in order to produce literature that stood alongside with human made literature. By the end gave pieces of literature that were made by Artificial intelligence.

The third chapter will put flesh on the bones and prove how human cultural heritage is preserved by AI generated literature through a critical reading of the corpus written by Artificial Intelligence platform ChatGPT 3.5 edited by the student Sebbane Hocine.

**CHAPTER III:**

**CRITICAL READING: OF *“WHISPERS OF THE OASIS”***

## CHAPTER III CRITICAL READING: OF “WHISPERS OF THE OASIS”

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## Introduction

The AI-generated short story "*Whispers of the Oasis*" is an exploration of a variety of cultural themes. Emphasizing a cultural lens, this chapter delves into the researcher own literary analysis of the text, it contains a summary and the examination of some of its elements such as setting, plot, characterization, and a thematic analysis as well.

### III. literary analysis: of "*Whispers of the Oasis*"

#### III.1 Summary

Readers are transported to the enchanting city of Ouargla as they read "*Whispers of the Oasis*" where the ancient walls echoing and the heady aroma of spices fills the air. The state that creates an atmosphere of tradition and mystery. Against this backdrop, the tale mentions the protagonists the two individuals whose paths crossed in the most possible unexpectedly ways. Fatima, with her amazing gaze and skilled hands that create beauty with every stitch, captures the attention of Jamal, the master storyteller in their city whose words weave tales of wonder and adventure. As they met for the first time amidst the bustling souks and vibrant colors, they set the stage for a romance that blossoms with the rich cultural values of the city. By the way of getting closely attached to each other, echoes of a long-forgotten treasure begin to circulate, provoking curiosity in Fatima and Jamal. Tales of a lost treasure buried under the desert sands back to life as it invites them to embark on a journey of discovery in the heart of the desert and the secrets of Ouargla's past. Blessed by the wisdom of their elders and the strength of their love the protagonists travel through the treacherous terrain, where they were hosted by nomadic tribes they also uncover hidden chambers filled with artifacts and inscriptions that speak decades past. Throughout the journey, they experience the true meaning of friendships, as they overcome obstacles, and learn valuable lessons about resilience, courage, and the power of love together. Their quest culminates

## CHAPTER III CRITICAL READING: OF “WHISPERS OF THE OASIS”

in a final encounter with forces that seek to thwart their efforts, but as heroes they emerge victorious and their bond stronger than ever. Ruins of an ancient oasis and treasures surrounding them, but they realize that the true riches lie are not gold and jewels can never be the real riches, but the journey they have shared together and the blessed love that has guided them every step along the way. The heroes return to Ouargla where they were welcomed with open arms and celebrate their triumph with music, dance, and feasting. As they settle into married life, they become pillars of their community for passing down their knowledge and wisdom to future generations.

### III.2 Setting

#### III.2.1 Place

Ouargla: is an Algerian ancient city located in the heart of the Sahara Desert portrayed to be the primary setting for the story. Souks: The crowded markets of Ouargla where Fatima and Jamal met for the first time and begin their way. Ancient ruins: These ruins serve as transmitters of the hidden secrets Ouargla has in store and play a significant role in Fatima and Jamal's journey. Desert: The wide expanse of the sands where oases, hidden caves, and nomadic tribes are found by Fatima and Jamal as they embark on their adventure. Oasis: As the desert is dotted by remote oases the idea provides respite and services as points of interest in Fatima and Jamal's quest. Hidden caves: These caves hold secrets and obstacles that Fatima and Jamal must navigate as they seek to uncover the truth about Ouargla's past. Ancient chamber: A hidden chamber filled with artifacts and inscriptions that reveal the history of Ouargla and its people. Ruins of an ancient oasis: The final setting where Fatima and Jamal stand triumphant after completing their quest, surrounded by the remnants of an ancient civilization. Ancient walls: The walls of Ouargla that echo with the whispers of generations past, serving as a backdrop to the unfolding love story. Spices market: A wonderful part of the souks in Ouargla, where a sensory experience of the setting is added to the

## CHAPTER III CRITICAL READING: OF “WHISPERS OF THE OASIS”

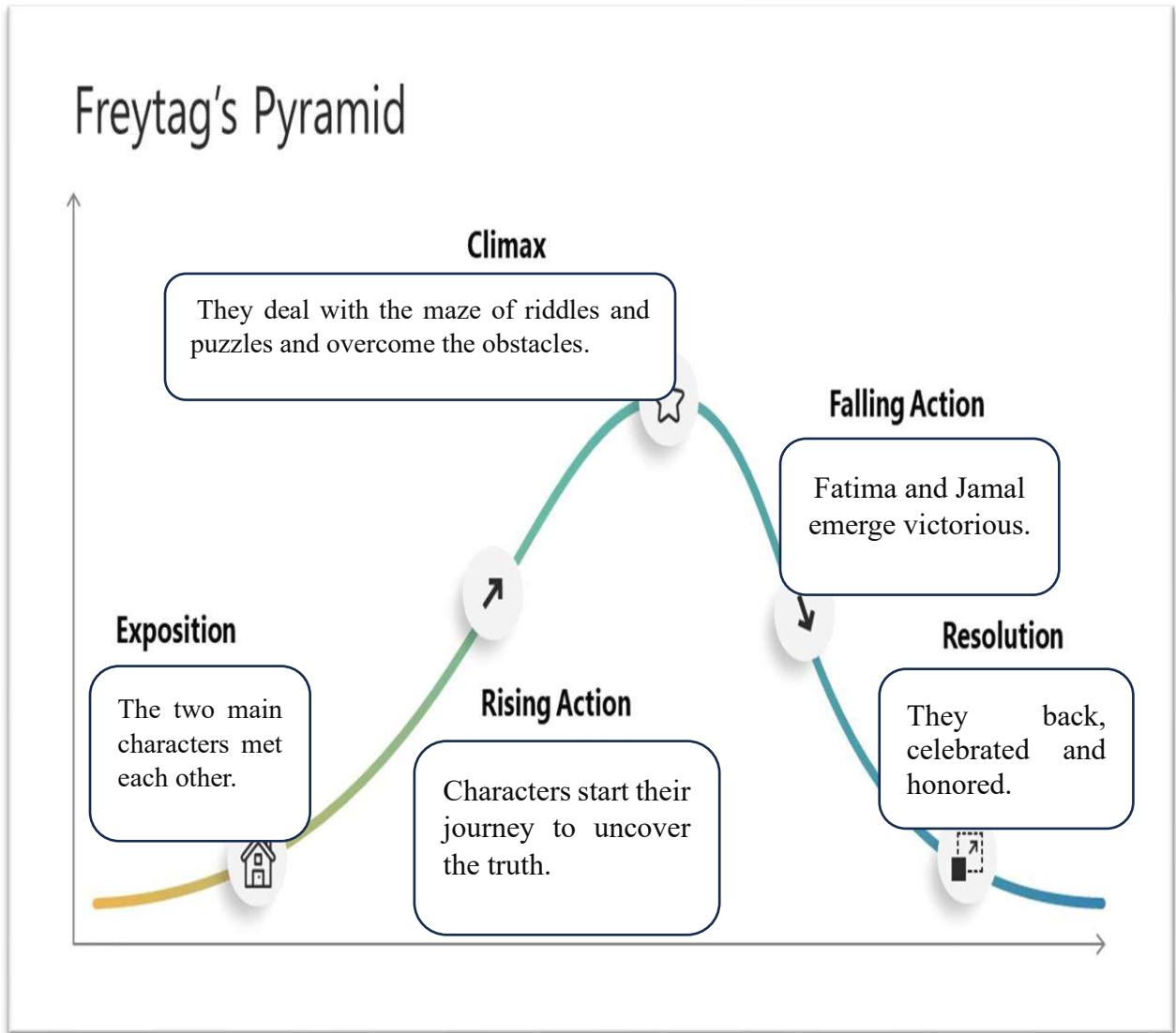
story. Dusty streets: The streets filled with the laughter of children playing and the noise of everyday life vividly contribute to the atmosphere of the city. Palm trees: Ancient palm trees provide shade and shelter for Fatima and Jamal as they steal moments together used as a symbol for resilience and endurance.

### III.2.2 Time

Morning: Described as when the sunlight fills the room and Fatima's smile lights up like the morning sun. Night: nods to when traditional dances are performed beneath the stars, suggesting evening or nighttime activities. Throughout the day: The characters steal moments together among the bustling streets and souks of the amazing city, indicating that their interactions occur at various times during the day. Dawn: The narrative evokes an imagery that nods the beginning of a new day. Passing days: As Fatima and Jamal's courtship blossoms, their love is described as growing stronger with each passing day, implying the passage of time. Ancient times: References to ancient ruins and artifacts suggest events from a distant past, adding a historical dimension to the narrative. Present day: The story unfolds in the present time, as Fatima and Jamal embark on their journey and navigate the challenges they encounter.

### III.3 Application of Freytag's Pyramid on of "*Whispers of the Oasis*"

This analysis delves into the literary analysis of "*Whispers of the Oasis*" Through a comprehensive examination of the plot, it aims to unravel the narrative's sequence of events. This method allows us to uncover and dissect the central cultural themes that permeate the storyline.



*Figure: 2 of Freytag's Pyramid of the Selected Corpus*

### III.3.1 The Exposition

The exposition introduces readers to the vibrant city of Ouargla, where ancient walls echo with tales of generations past. The bustling souks filled with spices and vendors to the dusty streets alive with the laughter suggested that the setting is culturally rich. In the heart of that the two main characters met each other. Fatima as a skilled artisanry, and Jamal as an amazing storyteller they set the stage for a tale of love and adventure deeply rooted in the cultural fabric of the city.

### III.3.2 The Raising Actions

In the Rising Action of "*Whispers of the Oasis*," the titular characters start their journey to uncover the truth behind a long-forgotten treasure. Their destiny leads them deep into the heart of the desert, where obstacles face their courage and resolve. They explore remote oases, hidden caves, and encounter nomadic tribes, and the rich diverse cultures of the region. As they delve deeper into the mysteries of Ouargla, their bond strengthens, and they uncover hidden chambers filled with artifacts and inscriptions that offer clues to the city's ancient past.

### III.3.3 The Climax

The climax of "*Whispers of the Oasis*" occurs when the main characters face their greatest challenge, the trials designed to test their courage, love and resolve. As they deal with the maze of riddles and puzzles and overcome the obstacles, their determination and love shine through and they emerge victorious, their bond stronger than ever.

### III.3.4 The Falling Actions

After the thrilling climax where Fatima and Jamal emerge victorious, the falling action of "*Whispers of the Oasis*" sees them standing amidst the ruins of an ancient oasis, hand in hand and hearts filled with happiness. They reflect on their journey and the lessons they have learned, cherishing the memories of their adventure.

### III.3.5 The Resolution

As a resolution in "*Whispers of the Oasis*" Fatima and Jamal find fulfillment and contentment in their shared love and the cultural richness they have experienced. their friends and family welcomed them back with open arms and all the warmth they have they celebrate their triumph with music, dance, and feasting that echo through the streets of the city. After that they embrace their roles as knowledge pillars in their community. Additionally, their bond strengthened

much more than ever. Fatima and Djamel look forward for a future filled with love, gratitude, and a deep appreciation for the beauty of Ouargla and its cultural heritage.

### **III.4 The characterization**

The portrayal of characters in "*Whispers of the Oasis*" is rich and well designed, presenting well-developed characters with active personalities and motivations that drive the narrative forward. Fatima is portrayed as a skilled artisan based on cultural features. Her expertise in embroidery and henna designs reflects her artistic talent and attention to details. Moreover, her courage and resilience are a testimony for her grace and determination. Jamal is depicted as a charismatic storyteller with words that captivate the hearts others. With an adventurous spirit and passion for exploration drive the narrative forward Djamel joins Fatima in discovering the mysteries of Ouargla's past. His loyalty to Fatima and their shared quest for truth highlight his commitment to their journey and their love for each other. Additionally, the story also features a cast of supporting characters who contribute to the richness of the narrative that makes the readers go with it. From the nomadic tribes to the friends and family who welcome them back to Ouargla as heroes, all the characters add depth and complexity to the story while projecting the cultural diversity of the region.

### **III.5 Thematic Analysis of "*Whispers of the Oasis*"**

In response to a request for a culturally rich narrative, ChatGPT crafted "*Whispers of the Oasis*" a tale that intricately investigates the cultural dimensions. Within its pages, the story unfolds across various layers of tradition, folklore, and oral histories and the Saharan landscape. It delves into the culinary heritage and the finesse of artisanal skills. Moreover, the narrative resonates with the rhythms of music and dance, breathing life into the cultural essence of Ouargla.

### III.5.1 Main Themes of "*Whispers of the Oasis*"

*"Whispers of the Oasis"* explored many themes concerned with cultural dimensions. This section will discuss the main ones.

#### III.5.1.1 Tradition

Tradition emerges as of the most significance and central theme woven throughout the story. The story that pays more focus to the richness of cultural heritage in the primary setting by exploring the high values of traditional practices, rituals, and customs gained from the past generations. The titular characters are depicted as deeply rooted in tradition by the purpose of embodying the values and customs of their ancestors. In a human-like manner the story delves into various aspects of tradition starting from the meticulous craftsmanship of Fatima's embroidery to the captivating storytelling marvel of Jamal. Thanks to the journey that allows the main characters to interact with the community, readers witness the enduring legacy of tradition in shaping identity, fostering connection, and preserving cultural heritage. Moreover, Legends, oral traditions, and sacred spaces exploration adds depth to the theme of tradition stretching its role in shaping beliefs, values, and collective memory. Finally, as Fatima and Jamal discovered the secrets of Ouargla's past and unveil it, traditions that have sustained their community for centuries have been honored as they underscore the importance preserving cultural heritage.



*Figure: 3 The Enduring Legacy Explored in the Selected Corpus*

### **III.5.1.2 Folklore**

In "*Whispers of the Oasis*" the themes of folklore intertwine with the narration process, the fact that add more dept and sharpened the cultural direction of the story that through which the cultural component of folklore serves the characters' experiences as a spearhead for shaping their beliefs, guiding their actions, and enriching their understanding of the world. The exploration of local legends and myths surrounding the lost treasure the most prominent aspects of folklore in the tale. These tales raise the curiosity tension among the characters, driving their action and the narratives as well. When Fatima and Jamal delve deeper into the desert's secrets, they encounter echoes of ancients the fact that adds an aura of mystique and adventure to their journey. Additionally, folklore manifests in the form of oral traditions passed down through generations as it is portrayed when the nomadic tribes share tale. the tales that through which the cultural identity and collective memory is preserved, as well as, they connect individuals to their ancestors and raising the sense of belonging within the community. Moreover, Ouargla the primary setting itself is tied to folklore, as the characters navigate through oases, hidden caves, and ancient ruins and



every other location that has its own stories and secrets steeped in myth and legend contribute to the rich construction of folklore that permeates the desert landscape.

### **III.5.1.3 Oral Histories**

Oral traditions in *"Whispers of the Oasis"* as a main theme is richly explored. It indicates the high values of storytelling and verbal communication in preserving cultural heritage and past knowledge. Characters in the tale engage in storytelling as a means of passing oral traditions. For instance, Jamal, the storyteller protagonist, while captivates audiences with his tales of adventure and romance he draws inspiration from oral narratives deeply rooted in Ouargla's cultural history. These stories serve as entertainment but also as a way of preserving collective memory and reinforcing cultural identity as they contain moral lessons, historical accounts, and mythological elements that project the values and beliefs of the community. Characters like Fatima and Jamal actively seek out these stories, for their importance in understanding the local cultural fabric. The characters interact with tribal elders impart wisdom through telling stories, sharing myths, legends that have been passed down through generations. By listening to these elders, the protagonists gain insights into the customs, rituals, and beliefs that shape their cultural heritage. Oral traditions are also celebrated and preserved through cultural ceremonies and rituals as it is mentioned in *"Whispers of the Oasis"* where these gatherings serve as spaces for the exchange of oral traditions and the reinforcement of cultural bonds.

### **III.5.1.4 Saharan Landscape**

The city of Ouargla is the primary setting in *"Whispers of the Oasis"* and it serves as a backdrop that successfully impacts the narrative process and shapes the experiences of the character. With purpose, the story vividly describes the hard environment of the Sahara with its

## CHAPTER III CRITICAL READING: OF “WHISPERS OF THE OASIS”

vast stretches of sand dunes, rocky outcrops, and scorching temperatures. The characters navigated the rugged terrain longing refuge from the blistering sun rays. The portrayal of the desert environment is like a confirmation of the needed resilience to rescue in such challenging conditions. Among these challenging conditions oases emerge as a symbol of life and its opportunities, hope and abundance in the barrenness of the surrounding landscape. The characters throughout their journey they encounter nomadic tribes and settlements that serve as home. The nomadic lifestyle reflects the deep connection to the land and the harmonious coexistence with nature as the tribes adapt their movements to the rhythms of the desert landscape.



*Figure: 4 Sahara Terrain with its Sand Dunes, Rocky Outcrops, and Scorching Temperatures Explored in the Selected Corpus*

### III.5.1.5 Culinary Heritage

Culinary heritage is a central cultural theme to be explored withing the narrative. It nods to the variation of culinary traditions in the city of Ouargla and the broader Saharan region. Fatima and Jamal encountered traditional Saharan plates such as couscous, tagines, savoring the flavors and the aromas of Saharan spices. These culinary experiences indicate the importance of food in the cultural identity of the people of Ouargla. These aromatic spices local are sourced from the desert and celebrated for their flavor, nutritional value, and cultural significance. Food serves as a

### CHAPTER III CRITICAL READING: OF “WHISPERS OF THE OASIS”

important point for social gatherings in the story, Bringing people together to share meals, stories, and laughter, with a cultural significance. These shared culinary experiences raise an aspiration of belonging and solidarity among diverse cultural groups in the Sahara region. The story explores various culinary rituals and traditions that are integral to the Saharan culture, such as the preparation of special dishes for festive occasions that the protagonists witness.



*Figure: 5 Traditional Couscous plate Explored in the Selected Corpus*

#### III.5.1.6 Artisanal Skills

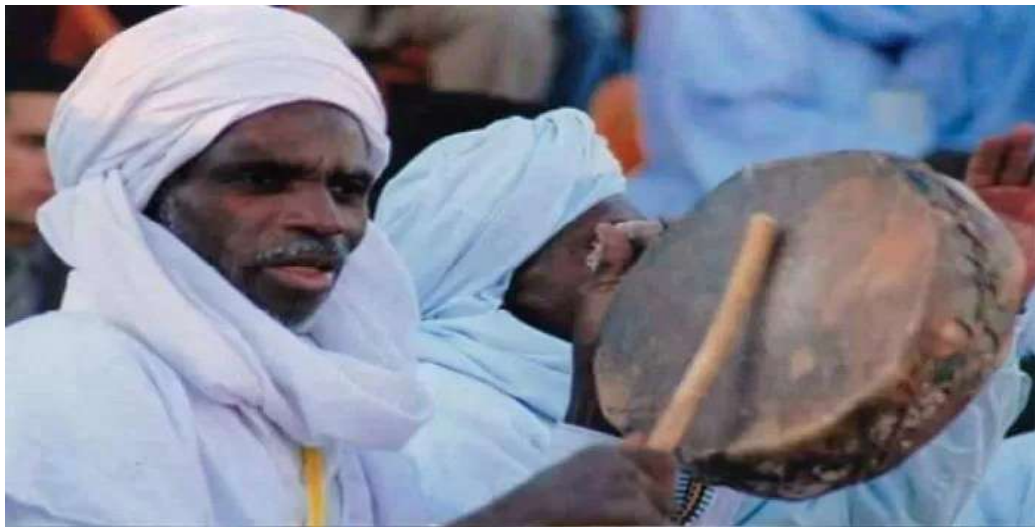
Fatima the skilled artisan known for her embroidery and delicate henna designs and working with the needle through fabric. Through that, she mentioned her strong ties with the traditional artisanal techniques. Her talents reflect the cultural and aesthetic sensibilities of Ouargla. These talents share the tangible expression of her artistic talent and cultural heritage. By contrast she is innovative with her new experiment, but true to her cultural roots. Whether she is embroidering the fabric or concocting flavorful dishes she approaches her craft with creativity and ingenuity far beyond the boundaries of tradition that honors its legacy. Fatima with the power of mixing traditional craftsmanship with contemporary life projects the evolution of artisanal skills in response to the world. Portraying a testament to the importance of cultural heritage in shaping the identity and fostering community unity. As she giving her knowledge and expertise to future

### CHAPTER III CRITICAL READING: OF “WHISPERS OF THE OASIS”

generations Fatima ensures the endurance of Ouargla's artisanal traditions and the perpetuation of its unique cultural legacy. Her commitment to craftsmanship embodies the resilience of traditional arts in the face of modernization and globalization, highlighting their enduring value.

#### III.5.1.7 Music and Dance

The interplay of Music and dance theme with the narrative enriches the cultural act of Ouargla transporting the reader to its atmosphere. In in the bustling streets and During festivals the gatherings in Ouargla celebrate with music and the graceful movements of dance. Music and dance are means for the uniting the community and expressing collective joy as expressing art forms that project the cultural heritage. Whatever is the cultural event, the characters in *"Whispers of the Oasis"* use music and dance as vehicles expressing joy. These means are deeply rooted in the traditional rituals and ceremonies of the city. It is through these means that the characters pay homage to their ancestors and uphold the sacred traditions that have sustained their community for generations. While rooted in tradition, the music and dance of Ouargla also evolve and adapt to contemporary influences, reflecting the dynamic nature of cultural expression.



*Figure: 6 Traditional Saharan Music*

### III.6 Discussion of The Interrelation Between the Main Themes and Its Significance in a cultural Reading of "*Whispers of the Oasis*"

The interrelation between the story main themes such as folklore, oral histories, the Saharan landscape, culinary heritage, artisanal skills, music, and dance indicate a rich structure that enriches the cultural reading of the story. These intertwined themes serve all together to create a multidimensional portrayal of Ouargla's cultural identity. Firstly, folklore and oral histories as the foundation of the narrative they weave tales of lost treasures and ancient legends that shape the characters' journey. Fatima and Jamal delve into the richness of the city as they uncover the secrets buried beneath the sands through meeting the nomadic tribes. These stories provide insight into the region's history and also serve as means of passing the cultural traditions. Then, The Saharan landscape acts as a backdrop in "*Whispers of the Oasis*" as it draws the characters' experiences and project the cultural heritage of Ouargla. The central roles of culinary heritage and artisanal skills are undoubted highlighting the creativity and craftsmanship of Ouargla's people. The example of it includes Fatima the skilled artisanry character who deals with traditional activities. Through the characters exploration of culinary delights and handicrafts, they celebrate the cultural richness of of region raising a sense of identity and belonging. Moreover, the cultural identity of Ouargla is preserved through Music and dance bringing the inhabitant together to celebrate and unify, encouraging connections among people from diverse backgrounds. The interrelation between these themes promotes the depth and complexity of Ouargla's cultural identity as it exposes readers a nuanced understanding of the region's history, traditions, and values. By exploring the theme of folklore, oral histories, the Saharan landscape, culinary heritage, artisanal skills, music, and dance "*Whispers of the Oasis*" paints a vivid portrait of a community rich in cultural diversity and resilience.



*Figure: 7 Cultural Themes Explored in the Selected Corpus*

**Conclusion**

To sum up, this chapter proved the relationship between AI literature and cultural heritage, along with the facets of culture that AI literature has been able to capture in its narratives. In addition, it includes the analysis of the elements AI portrayed in its literature, that managed to preserve the culture of human beings.



**CHAPTER IV: STYLISTIC ANALYSIS OF “*WHISPERS OF THE OASIS*”**

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## Introduction

This chapter covers the stylistic analysis of the corpus "*Whispers of the Oasis*" in which it will analyze the work from the four levels of stylistics, Lexical level, in order to prove how AI literature managed to preserve the culture of the city of Ouargla through its choice of words. Furthermore, it will give a semantic analysis which will highlight the abilities of AI to reflect the culture of Ouargla through an ambiguous style. This chapter also tackled the morphological level which dealt with the structure and form of the story, it also covered the phonological level and the sounds patterns that AI used in its work and how all that contributed in preserving the cultural heritage.

## IV. stylistic analysis: of "*Whispers of the Oasis*"

### IV.1 Linguistic Levels of Stylistic Analysis

#### IV.1.1 Lexical Level

Analyzing the lexical level of stylistics in "*Whispers of the Oasis*" involves examining the choice of words, and linguistic devices used by the author to convey meaning and evoke certain emotions or imagery. Here are some elements to be discussed in order to put the story in the cultural direction.

##### IV.1.1.1 Choice of Words

The platform used language to attract the reader to the culture of Ouargla, a city rooted in traditions and history. The choice of words, imagery, and culturally specific references, the narrative offers readers a wide view into the customs, folklore, and culinary delights of the region. The author sets the stage with evocative language that portrayed Ouargla as a timeless. fragments such as "ancient walls echoing with whispers of generations past" and "the scent of spices hangs

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heavy in the air" evoke a sense of timelessness and mystery while nod at the heritage of the city. These words establish the setting and also foreshadow the exploration of ancient legends and traditions that form the backbone of the narrative. Moreover, sensory imagery is skillfully woven allowing readers to experience the sights, sounds, and smells of everyday life in Ouargla with such a vivid clarity. Descriptions like "eyes like dark pools of desert water" and "a smile that lights up the room like the morning sun" appeal to the senses. Permeating readers to feel the warmth of the sun. Furthermore, the author utilization of culturally specific words and references that add depth and authenticity to the narrative. As evidence terms like souks, Berber rug, henna designs and tagines or nomadic tribes conjure images of marketplaces, artworks, and sumptuous cuisine unique to the region. These references reflect the distinctive cultural identity of Ouargla and also invite readers to discover the cultural richness of the region.

### IV.1.1.2 Figurative Language

Metaphors, similes, personification, and symbolism serve reader's understanding of Ouargla's cultural landscape and its significance to the characters and their journey. Metaphors, as powerful tools for conveying complex ideas, are employed to raise vivid imagery and emotion. For instance, Fatima's warm smile is likened to "the morning sun" and linked to the room with its warmth and radiance. the metaphor captures Fatima's physical beauty and also suggests her inner light and vitality that invites readers follow her magnetic presence through the story. Similes alike, meanwhile, draw comparisons that evoke sensory experiences and enhance the understanding of the story. The souks of Ouargla are described as settings where vendors haggle over spices and children play. This description evokes the idea of sounds and colors that define daily life in the city. Furthermore, personification infuses rigid objects with human qualities, the fact that lends depth and resonance to the setting. The ancient walls of Ouargla become "sentinels of time"

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whispering secrets of past eras suggesting a connection between the past and the present. Symbolism, perhaps is the most potent form of figurative language. Finally, the oasis, the repeated term throughout the story symbolizes the spiritual renewal and hope in the face of adversity and a metaphor for resilience and perseverance mirroring the main characters self-discovery and love journey.

### IV.1.2 Semantic Level of Stylistic Analysis

In the heart of Ouargla, where the ancient walls echo with the whispers of generations past and the scent of spices hangs heavy in the air, a love story unfolds amidst a vibrant cultural background, deeply rooted in the rich heritage of Algeria. Through a semantic lens, the narrative transcends mere storytelling, delving into the layers of meaning, symbolism, and cultural significance woven intricately into its fabric.

#### IV.1.2.1 Literal vs. Figurative Meaning

One of the most prominent aspects of the semantic level analysis is the use of symbolism to convey broader themes and explore further concepts. As an example extracted from the story, the oasis is a powerful symbol of hope, resilience, and renewal in the face of life challenges. The oasis represents a sanctuary alike, but also a metaphorical refuge where Fatima and Jamal's love can flourish. The presence of ancient ruins further adds more depth to symbolism, as it reflects the passage of time and the presence of the past legacy in the present. mentioning traditional clothing, like the embroidery or the henna designs act as visuals that put the story in the cultural direction. Also, the souks, the spices and children playing in the streets portray the picture of everyday active life in the city. The journey undertaken by Fatima and Jamal becomes a metaphor for the human experience itself, with each obstacle they face representing a larger existential struggle or societal challenge. For example, navigating the treacherous terrain of the desert mirrors the trials and

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tribulations of life, while overcoming obstacles in their quest for the hidden treasure symbolizes the triumph of perseverance and determination over adversity. Cultural values and beliefs permeate the semantic content of the story, shaping the motivations and actions of its characters. Concepts such as honor, hospitality, and familial loyalty are central themes that drive the narrative forward. For instance, Fatima's skill as an artisan and Jamal's talent as a storyteller reflect not only their individual abilities but also their cultural heritage, passed down through generations. Additionally, the importance of community and solidarity is evident in the support Fatima and Jamal receive from their friends and family as they embark on their journey.

### IV.1.2.2 Ambiguity and Polysemy

Ambiguity and polysemy in “*Whispers of the Oasis*” transports its readers into the daily life senses in of Ouargla. through its lines they serve as essential tools to weave and explore the cultural richness of the city. That invites its readers for a close exploration of its structure and get deeper into its complexities. Ambiguity embodied in the portrayal of the desert landscape. Some characters perceive it as a bold, harsh and an inhospitable environment, full of danger and uncertainty, while others look at it through the lens of beauty and spiritual significance because they add more values than just a physical place. The Sahara region symbolizes both hardship on one hand and opportunity on the other, desolation at the first and the renewal on the second. As it is projected in lines such as "the ancient walls echo with the whispers of generations past" the desert's history is described as both haunting and evocative as hints at the complexities of the cultural heritage. Polysemy is largely explored and represented through the wise choice of words and phrases throughout the narrative. It contributes to the story structure as it worked on multiple meanings. As example the word "oasis" Literally, represents a fertile green spot in the desert supposed to be a source of water and vegetation. However, metaphorically, it embodies themes of

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hope and life, and all kinds of sanctuary. The title itself "*Whispers of the Oasis*" is a clear representation of this dual interpretation because it evokes both the literal soft whispers of the wind and the metaphorical whispers of hope and resilience. This idea of ambiguity could be reinforced through the characters, Fatima and Jamal, the central protagonists, quest for a hidden treasure that is a source of moral ambiguity. As they navigate the desert, their journey becomes a metaphor for the broader human experience, rife with uncertainty and moral ambiguity. Similarly, the relationships between characters are nuanced and multifaceted, characterized by shifting alliances and conflicting loyalties that reflect the society in Ouargla.

### IV.1.2.3 Connotations and Implications

The short story "*Whispers of the Oasis*" artfully uses connotations and implications to enrich its narrative with the cultural depth, it invites readers to delve into the its woven meanings. Through the portrayal of characters, vivid descriptions of the Sahara region, and the exploration of cultural traditions, the narrative unveils the hidden significance that transcends its surface structure. The story is found in the main character of Fatima, whose name itself holds valuable significance. In the Arabic language the name "Fatima" is often linked to the qualities of purity, virtue, and resilience, the name indicates the protagonist's inner strength and moral integrity. This connotation adds more depth to her character, enriching the reader's understanding of her role within the narrative as a symbol of cultural heritage and traditions. With the same lines, the name "Jamal" in the Arabic culture connotes qualities of beauty and grace empowering the character's charismatic nature and artistic presence. The storyteller embodies the rich oral tradition of the region with each tale he weaves carrying diverse meanings and cultural significance. Hence, his name serves as a subtle nod to the storytelling tradition that permeates the story and explores the themes of folklore and oral histories. besides, these descriptions help the reader to deeper understanding of the cultural

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context. Additionally, the harsh and unforgiving terrain of the desert connotes themes of resilience and endurance as a symbol of the challenges faced by the characters as they navigate both physical and metaphorical obstacles on their journey. Likewise, ancient ruins and hidden oases implies a connection to the region's rich history as also it suggests that beneath the surface the wealth of untold stories and forgotten treasures is waiting to be discovered. The appearance of cultural traditions such as embroidery, henna art, and storytelling is carrying its own set of connotations and implications. For example, Fatima's skill in embroidery is not merely a practical talent done by hands but a symbol of cultural heritage and art. Likewise, Jamal's storytelling is a preservation tool of oral histories and a manner of passing it reinforcing the theme of cultural continuity and resilience.

### IV.1.3 Morphological level

The narrative through detailed attention to "*Whispers of the Oasis*" morphology. Emphasizing the structure and formation of words, revealing underlying cultural and historical contexts.

#### IV.1.3.1 Sentence length and Complexity

The sentence length in "*Whispers of the Oasis*" is set with the design of portraying the rhythm and pace of the Saharan landscape serving as an echo of the vast expanses of desert and the details of life within it. The story explores it in this passage: "In the heart of Ouargla, where the ancient walls echo with the whispers of generations past and the scent of spices hangs heavy in the air, a love story unfolds amidst the vibrant tapestry of cultural acts and traditional practices that define life in the city." (chatgpt3,5),

lengthy sentence mirrors the nature of the city and its cultural richness as it paints the vivid picture of the streets and the souks. These details woven into the sentence catalyze the sense of

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immersion in the cultural milieu of Ouargla. As a result, readers are invited to put themselves in the narrative. Also, the complexity of sentence structures in the story adds power to the meaning and depth of the cultural themes explored along the tale. The employment of a wide range of varied syntactical patterns allows the author convey the complexity and intricacy of cultural traditions, rituals, and customs. As it wrote: "Their quest takes them to remote oases and hidden caves, where they encounter nomadic tribes who share tales of ancient customs and rituals passed down through generations." (chatgpt3,5).

The use of subordinate clauses and descriptive phrases effectively enhance the reader's understanding of the diverse cultural practices encountered by the characters. For this aim, the juxtaposition of "remote oases" and "hidden caves" with "nomadic tribes" serve as a confirmation of the interconnectedness of the landscape with the cultural heritage of the region and their symbiotic relationship. Furthermore, the varied sentence lengths and complexities contribute to the overall pacing and rhythm of the story as creating dynamic narrative keeps readers engaged and invested in the cultural journey unfolding before them, while Short, concise sentences are interspersed with longer, more elaborate ones, mimicking the ebb and flow of life in Ouargla and the surrounding desert.

The varied sentence lengths and complexities offer a rich portrayal of cultural significance embedded within the story. Longer, more complex sentences are often employed to describe elaborate ceremonies or rituals, allowing for a detailed exploration of the customs and practices that define life in Ouargla. For instance, while describing the act of dancing the narrative utilizes complex sentence structures to capture the rhythmic movements and spirituality of the event. Furthermore, it acts as instrumentals in conveying the expansive awe-inspiring of the Sahara Desert. More longer sentences characterized by the descriptive language are employed to depict the vastness of the desert terrain, the shifting sands, and the interplay of light and shadow on the

dunes. By contrast, Short and concise ones are employed during moments of tension, conflict and suspense as a tool to explore the sense of urgency. characters' inner thoughts and emotions are explored through longer and more complex sentences to provide readers with their real motivations and desires. During pivotal moments in the story the narrative employs a variety of sentence structures to convey the complexity of their experiences and emotions.

#### **IV.1.3.1 Sentence Types (declarative, interrogative, etc.).**

The careful selection and use of all the diverse sentence types as the declarative, interrogative, imperative, and exclamatory portrays the cultural richness of Ouargla. At the beginning, declarative sentences have pivotal role in the exposition as they provide factual information about the characters, settings, and events. For instance: "In the heart of Ouargla, where the ancient walls echo with the whispers of generations past and the scent of spices hangs heavy in the air, a love story unfolds amidst the vibrant tapestry of cultural acts and traditional practices that define life in the city." (chatgpt3,5).

This declarative sentence sets the stage for the entire narrative parts through exposing the evocative setting of Ouargla and hinting at the rich cultural heritage that permeates the story to the readers. while Interrogative ones characterized by their questioning nature fiercely invite readers to get deeper meanings and implications within the cultural context as it is explored in the following passage: "But amidst the joy of their burgeoning romance, whispers of a long-forgotten legend begin to circulate through the city, casting a shadow of uncertainty over their happiness." (chatgpt3,5). While this illustrated example prompts readers to reflect on the impact of ancient legends on contemporary life in Ouargla it invites them to explore the intersection of history, tradition, and belief in shaping cultural identities. Imperative sentences convey commands, requests, or suggestions, often highlighting the significance of cultural rituals and traditions. An



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example from the story illustrates in this passage: "As they settle into married life, Fatima and Jamal bring back the memories and the lessons they have learned along the way." (chatgpt3,5).

This imperative sentence emphasizes the importance of embracing cultural experiences and preserving cherished memories, underscoring the value of cultural heritage in shaping personal and communal identities. While Exclamatory sentences, characterized by their emotional intensity, evoke strong reactions and sentiments, adding depth and poignancy to key moments in the narrative. Considering the following example: "Their quest complete, Fatima and Jamal return to Ouargla as heroes, their names whispered with reverence and awe by all who hear of their exploits." (chatgpt3,5).

This exclamatory sentence celebrates the triumphant return of Fatima and Jamal, emphasizing the admiration and respect they have earned through their cultural journey, and highlighting the enduring legacy of their achievements in the community.

### IV.1.4 Phonological Level.

The phonological level of a text refers to its sound patterns and how these patterns contribute to the overall meaning and aesthetic quality of the narrative. In "Whispers of the Oasis," the phonological aspects play a significant role in enhancing the cultural richness and immersive experience of the story.

#### IV.1.4.1 Textual Coherence and Cohesion

Coherence within the narrative is evident from the onset, as it gradually unveils events within Ouargla's heart. It introduces Fatima and Jamal, whose destinies converge, setting the stage for a journey marked by love and revelation. As the tale unfolds, each scene builds upon the last, contributing to overarching themes of cultural heritage and resilience. The exploration of ancient ruins and the celebration of traditional rituals deepen the reader's appreciation of Ouargla's cultural

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significance. While Cohesion is deftly achieved through meticulous language and narrative devices. Pronouns and transitional phrases maintain a seamless flow, guiding readers through the story's twists. Descriptive language and sensory imagery paint a vivid portrayal of the Saharan landscape, immersing readers in Ouargla's essence. An exemplar of cohesion lies in the consistent use of pronouns to reference previously introduced characters and objects. Phrases like "their love" and "the treasure they have uncovered" sustain clarity and continuity. Transitional phrases such as "meanwhile" and "as a result" signify temporal or perspectival shifts, ensuring readers effortlessly follow the narrative. Moreover, textual evidence reveals how coherence and cohesion underscore cultural background. For instance, in this passage "Their first meeting is as unexpected as a desert rain shower in the midst of summer." Here, the juxtaposition of elements symbolizes the serendipitous nature of Fatima and Jamal's encounter, mirroring the unpredictability of life in the desert.

### IV.1.4.2 Narrative Structure and Point of View

The close reading of the short story permeates the reader to uncover a multitude of evidence insisting on how these elements contribute to the portrayal of Ouargla's heritage. The omniscient point of view narrator serves as a way to hearts and minds of the characters. For instance, when they start the journey together to unveil the truth about the lost treasure, the narrative explores their thoughts and feeling, so that readers would empathize with their motivations and aspirations. exposing their inner workings sharpened the depth of their characters as it empowered the cultural exploration of the story. The narrative structure guides the readers through the various stages of Fatima and Jamal's quest. From the first introduction of the characters and setting in Ouargla to the thrilling climax of their adventure, the sequence of events builds upon the last, creating a cohesive and engaging narrative. For instance, as Fatima and Jamal traverse the desert landscape the narrative draw a vivid and more realistic picture of the world around them evoking a sense of awe

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and wonder at the natural beauty of the Sahara. Additionally, complex cultural themes such as tradition, folklore, and culinary heritage are explored through the narrative structure. Insights into the diverse cultural practices and rituals that define life in Ouargla are gained by the reader through the use of flashback sequences and storytelling devices. As an example, as Fatima and Jamal visit the nomadic tribes, the narrative explored the rich ancient customs and traditions, signaling the interconnectedness of the past with its richness to the exiting present in preserving the cultural identity. Moreover, the narrative discussed with meticulous details as it enhances the reader's perception of the culture of Ouargla. The bustling souks, the aroma of spices thrown in the air, and the rhythmic beats of traditional music transport the reader to the heart of the city, where the sights and sounds of everyday life come alive through these vivid depictions that serve to confirm the significance of cultural preservation and the role of storytelling in transmitting cultural heritage.

### IV.1.4.3 Intertextuality and Literary References

Intertextuality and literary references throughout this narrative, enrich the story with layers of cultural significance and depth. These references could be examined through the close reading of the story. These features are skillfully used and effectively enhance the reader's understanding and appreciation of the heritage in the area. One of the most significant of its examples includes intertextuality as a major reference to ancient times, tales, legends and myths that permeate the story. Also, they link the sequence of the events in the narrative as a means for getting cultural narratives richer, fulling them with a sense of timelessness and universality. For instance, when the titular characters hear about the lost treasure was a fact that evokes whispers of classic adventure tales and epic quests, boosting the sense of wonder, suspense and excitement in the reader experience. Furthermore, *"Whispers of the Oasis"* is a representation of literary traditions and cultural icons that have influenced its creation as the text reflected traditional storytelling techniques and poetic imagery, it also pays homage to the rich oral literary heritage of the region.

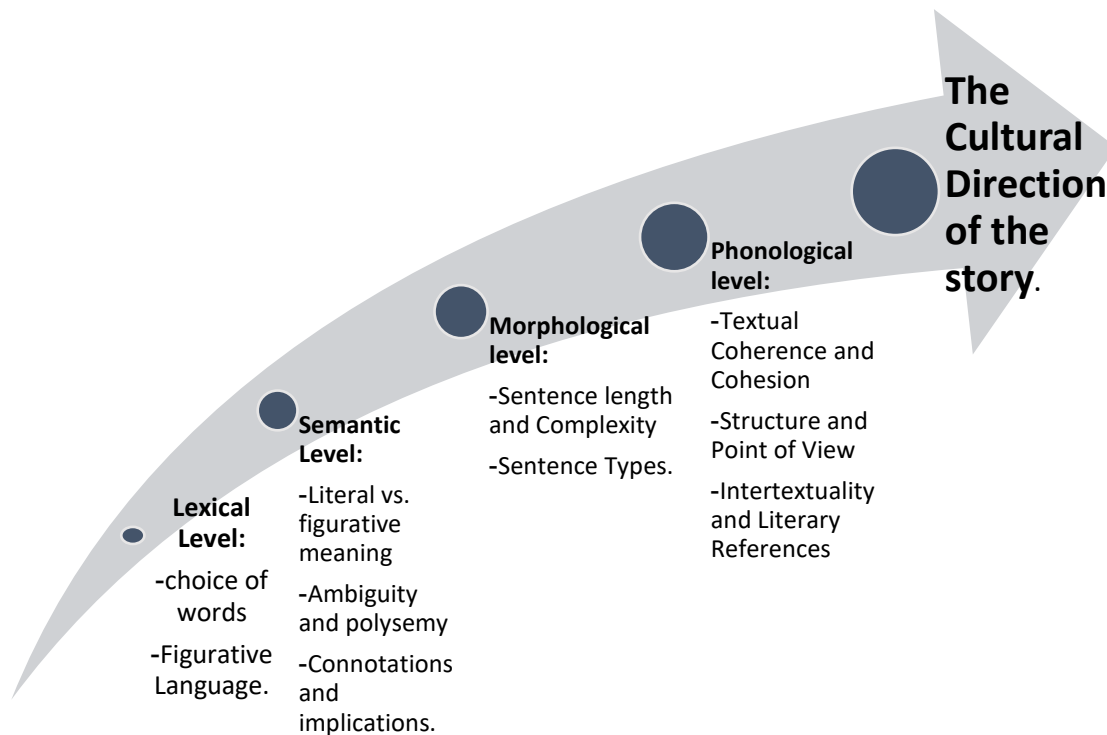
In the same direction, the tradition of oral storytelling is projected by the portrayal of Jamal as a storyteller, while Fatima the artist evokes comparisons to the patterns and designs in Berber art and architecture. Moreover, the text incorporates allusions to historical events and cultural practices that shape the identity of Ouargla and its inhabitants. The drawing on real-world events and traditions contributes to the story authenticity and realism that grounds the narrative in its cultural context. Descriptions of bustling souks and the street life evoke the sights and sounds of everyday existence in the North African city, while mentions of traditional cuisine and music nod to the layers of richness and texture to the portrayal of cultural life through the story.

## **IV.2 Discussion of The Interrelation Between the Main stylistic levels analysis and Its Significance in a cultural Reading "*Echoes of the Oasis*"**

The interrelation between the phonological, semantic, morphological, and lexical stylistic levels intricately weaves together to paint a rich cultural and thematic depth. Through an analysis of these stylistic elements, one can discern how they intricately contribute to the narrative's cultural resonance and thematic exploration of tradition, heritage, and the human experience. At the phonological level, the story captures the essence of the Algerian Sahara through descriptive prose. For instance, phrases like "dark pools of desert water" evoke vivid imagery that resonates with the cultural soundscape of Ouargla, immersing readers in its sensory experiences. Additionally, the rhythm and cadence of language reflect the ambiance of the Sahara region, creating a sense of immersion that resonates with readers on a visceral level. Semantic elements further enhance the narrative's cultural reading by imbuing language with layers of cultural significance and thematic resonance. Through carefully chosen words and expressions, the narrative evokes the sensory experiences and cultural customs of Ouargla. For example, descriptions of traditional dishes like couscous and tagines evoke the flavors of the region, while phrases like "a smile that lights up the

## CHAPTER IV STYLISTIC ANALYSIS OF: “WHISPERS OF THE OASIS”

room like the morning sun" convey the warmth and hospitality characteristic of Algerian culture. These semantic enrich the narrative, inviting readers to explore the cultural landscape of the Sahara and gain insight into its cultural identity. Depth and complexity are added to the narrative through the effective use of morphological features that results a well-structured narrative with cultural nuance. The idea is based on the utilization of local morphological structures reflecting the linguistic richness of the region, emphasizing its cultural heritage and linguistic evolution. This is evident in the names of characters like Fatima and Jamal, which carry cultural significance and evoke the heritage of the region. Lexical enrich the narrative with cultural references and idiomatic expressions specific to the Algerian Sahara. The names of local landmarks, traditional local dishes, and cultural customs immerses readers in the cultural landscape of Ouargla. As evidence, the references from the text such as the bustling souks and ancient ruins evoke the sense of the historical depth of the of the region, while descriptions of traditional dances and feasts highlight the richness of its cultural heritage.



*Figure 8 Stylistic levels analysis in the Selected Corpus*

## Conclusion

To conclude, this chapter gave a stylistic analysis for the case study that was presented in this research, in which it analyzed the work from all the levels of stylistics, Lexical, semantic, morphological and phonological level, through these levels Artificial intelligence managed to give a vivid cultural image for the city of Ouargla in a human like way.

By the end of this chapter a discussion of the interrelation of the four levels of stylistics and the significance in the story "*Whispers of the Oasis*".

This chapter proved the ability of Artificial intelligence for preserving the cultural heritage, having a style and building a well-structured literary work.

# **General Conclusion**

## General Conclusion

The 20<sup>th</sup> century witnessed a great development in the field of technologies, which is the birth of Artificial Intelligence, that invaded many domains and shared humans their daily life and even eliminated many jobs positions that were only-human's jobs, jobs that a century ago nobody imagined that any machine could do. The unbelievable part is that Artificial Intelligence is now able to generate different kinds of art that is able to stand alongside with human aesthetic production and capable of holding all the characteristics of art.

It is an unarguable fact that machines now are able to develop some sort of an intelligence or a way of thinking that made it able to receive orders, process them and even respond to them. This interaction with humans made Artificial intelligence able to collect their data, sort it then store it to use it later when getting ordered.

The ability of Artificial intelligence to sort human's and the huge interaction between humans and machines made the machine able to understand the ways in which humans think and express their thoughts. Now AI is able to express not its thoughts merely but to create passages, texts and even has a sense of musicality making it able to write poems and songs.

In the light of the mentioned above the current thesis presents an overview for the ways in which Artificial Intelligence started and developed till the fact that it became able to produce literary works that are able to stand alongside with human made literature and deliver messages, hold themes and preserve our cultural heritage.

This thesis asked two main questions that were answered through the four chapters of this thesis we saw how AI developed and started in the first chapter, its mechanism, pioneers and interference in our life that made it exposed to our habits, ways of interaction and cultural aspects. The the second chapter covered the algorithms that AI uses to generate literature, making a well-



## General Conclusion

organized plot, setting and characters, and by the end it presented the corpus "*Whispers of the Oasis*" that was analyzed in the practical part.

In the practical part that consisted of two chapters one for the critical analysis that used the theory of Stuart Hall cultural studies to give a critical reading for the story proving the abilities of Artificial Intelligence in preserving the cultural themes explored through the short story.

In the second chapter of the practical part of this thesis the stylistic analysis of the corpus was given, and the levels and notions of style AI delivered in its work were deciphered and interpreted.

Both literary and stylistic analysis of "*Whispers of the Oasis*" aimed to answer the two questions of this study.

The literary analysis has been designed to answer the first question and the stylistic analysis as an investigation about the second one.

For the first question, the work emphasized the four elements of the literary analysis which are: setting, themes, plot, and characters. This analysis ended by finding an overlapping relationship between those elements that were used by AI to put "*Whispers of the Oasis*" in the cultural direction

For the second question, this work based on stylistic levels analysis delving into the lexical, semantic, phonological and morphological level that seemed to have cultural views.

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## الملخص

شهد مجال الذكاء الاصطناعي تطورًا ذا تأثير كبير على مختلف قطاعات الحياة، بما في ذلك إنشاء الأدب. فمنذ الإشارة إليه لأول مرة في كتاب L. Frank Baum "ساحر أوز العجيب" سنة 1900 جذب الذكاء الاصطناعي الانتباه لإمكاناته إضافة الصبغة الإنسانية على الآلات وتركيزه على المهام غير الروتينية التي كانت تتطلب تدخل البشر. إن دوره الفعال إنتاج الأعمال الفنية يتزايد بشكل مكثف كون منصات مثل ChatGPT OpenAI تتيح الفرصة للمستخدمين لإنشاء الصور والموسيقى والفيديوهات وحتى النصوص الأدبية التي تبدو وكأنها من تأليف الكتاب البشر. تتناول دراستي الحالية الآثار الثقافية للأدب المنتج بواسطة الآلات، مع التركيز على كيفية حمايته وتعزيزه للتراث الثقافي. وذلك باستخدام إطار الدراسات الثقافية لـ Stuart Hall. تستكشف دراستي أيضًا الإضافات الأدبية والاعتبارات الثقافية في القصص القصيرة المؤلفة بواسطة الذكاء الاصطناعي، مثال هذا هو القصة القصيرة "أصداء الواحة" المؤلفة بواسطة ChatGPT 3.5. كما تهدف دراستي إلى سد الفجوة في الدراسات الثقافية حول هذا النوع من القصص مع التركيز على مساهمتها في حفظ التراث الثقافي.

## الكلمات المفتاحية:

الذكاء الاصطناعي، الأدب المنتج بواسطة الذكاء الاصطناعي، حفظ التراث الثقافي، العصر الرقمي، الدراسات الثقافية لستيوارت هول، ChatGPT، الأدوات الأدبية، الأنماط الثقافية، الذكاء الاصطناعي والثقافة، الحفظ الرقمي.

## Résumé

Le domaine de l'intelligence artificielle a connu un développement ayant un impact considérable sur divers secteurs de la vie, y compris la création littéraire. Depuis sa première mention dans le livre de L. Frank Baum "Le Magicien d'Oz" en 1900, l'intelligence artificielle a attiré l'attention pour sa capacité à humaniser les machines et à se concentrer sur des tâches non routinières qui nécessitaient auparavant l'intervention humaine. Son rôle actif dans la production d'œuvres artistiques augmente de manière intensive, avec des plateformes comme ChatGPT d'OpenAI permettant aux utilisateurs de créer des images, de la musique, des vidéos et même des textes littéraires qui semblent écrits par des auteurs humains. Mon étude actuelle aborde les implications culturelles de la littérature générée par les machines, en mettant l'accent sur la manière dont elle protège et renforce le patrimoine culturel. En utilisant le cadre des études culturelles de

Stuart Hall, mon étude explore également les dispositifs littéraires et les considérations culturelles dans les nouvelles générées par l'intelligence artificielle, avec comme exemple la nouvelle *"Échos de l'Oasis"* générée par ChatGPT 3.5. Mon étude vise également à combler le fossé dans les études culturelles concernant ce type d'histoires en mettant l'accent sur leur contribution à la préservation du patrimoine culturel.

**Mots-clés:**

Intelligence artificielle, littérature générée par l'intelligence artificielle, préservation du patrimoine culturel, ère numérique, études culturelles de Stuart Hall, ChatGPT, dispositifs littéraires, motifs culturels, intelligence artificielle et culture, préservation numérique.