



Artificial Intelligence and the Preservation of Cultural Heritage and Oral Traditions: A Literary Study of Human Relationships in Khaled Hosseini's Novels

¹Shaikh Ishrat Sultana Abdul Rauf* and Prof. ²Dr. Meera Nakade Murlidhar

¹Swami Ramanand Teerth arathwada University, Nanded.

²Associate Professor, Department of English, Shri Yoganand Swami College, Wasmatnagar Dist. Hingoli.

Abstract:

Cultural heritage and oral tradition are important assets of human history. It includes folk tales, songs, rituals, languages, manuscripts, monuments, clothes, myths, and legends that have been passed from one generation to another through spoken words. Cultural heritage and oral traditions are important properties of human history. They preserve human beings identify world heritage preservation aims to protect these assets from Global threats, such as urbanisation, climate change, conflict and neglect. And its represent to society to society & for future generations. Oral traditions are complex knowledge systems encoding indigenous wisdom, environmental understanding & social norms through story telling, Chants and rituals and communities. It is necessary to preserve this great cultural heritage for future generations so that they can understand and respect it. AI has become an important tool in preserving these traditions, and it is a medium to bring local culture to a global audience. AI-based preservation of cultural heritage with a Literary study of human relationships as portrayed in select novels of Khaled Hosseini. Hosseini's fiction is portrayed as a literary record that preserves the Afghan experience formed by love, guilt, sacrifice, trauma and resilience. By studying how human relationships operate as a transformation of oral tradition & cultural identity in Hosseini's Novels. AI has emerged as a powerful tool for safeguarding cultural Heritage & oral traditions. This paper explores the role of AI in documenting & preserving, restoring & promoting cultural & oral traditions. literature together after a human-centred approach to safeguarding cultural & oral traditions, while also addressing its benefits, limitations and future potential not only data but also emotional truth & relationship depth.

Keywords: Artificial Intelligence, Cultural Heritage Preservation, Oral Tradition, Intangible Cultural Heritage, Digital Humanities, Machine Learning, Deep Learning, Natural Language Processing, Heritage Conservation, Digital Archiving.

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***Corresponding Author:**

Shaikh Ishrat Sultana Abdul Rauf

Email: Shaikhishrat8988@gmail.com

Introduction

Preserving collective identity, Cultural heritage and oral traditions in history acts as a linkage between past realities, present and future. With present realities, some content and the contribution of new technologies play an essential role in providing the issues of cultural heritage preservation and enhancement tools and solutions that are needed to be addressed. Cultural Heritage is an essential

component of contemporary society. Cultural Heritage plays an essential role in territorial integration and in passing on material and immaterial assets, urban landscape & natural environments are some examples to future generations [1]. The application of Machine learning (ML) in this study presents a comprehensive review of techniques in the field of cultural Heritage (CH) protection, highlighting important developments and innovations recently. The restoration conservation

strategies are the main applications of ML and AI methodologies, such as artefact analyses. As AI systems become more capable, they will take on more of the societal roles previously played by humans [2]. The increasing adoption of the multidisciplinary approach combining ML & AI with traditional tools & protection and conservation is explained in this study. through appropriate and innovative tools & intervention process. Through appropriate and innovative tools & intervention process the maintenance procedures for CH sites should be identified and enhanced. Decision support and examining risk Factors for CH are the concentration of such modern tools, and it indicates the progress in maintenance activities & management strategies for risk situations. The preservation tools of development new AI & ML are based on techniques. This work analyses the current line of research and provides valuable perspectives for future development in cultural Heritage restoration and conservation, as it is a determinant to aid the management of different CH assets using detailed bibliometric analysis.

Cultural Heritage & oral traditions transmit social norms through storytelling, environmental wisdom, cultural values, chants, songs & rituals. Many oral traditions are at risk of extinction. Therefore, innovative technological interventions are required to preserve and promote these cultural assets. Simultaneously, literature represent diasporic and trauma narratives has provided a powerful medium for preserving cultural memory. Khaled Hosseini's novels stand as an example of literary feats that record Afghan cultural heritage through deeply human relationships. This paper integrated AI-driver cultural preservation with a literary study of Hosseini's novels to illustrate those human relationships themselves are forms of cultural heritage & oral traditions.

Artificial intelligence:

Concept and scope artificial intelligence [AI] is a computer systems that perform as human being intelligence, performing tasks, learning, teaching, reasoning, problem- solving and language understanding and keeping data for a long duration.

This era is called the Age of AI. AI is one of the most important inventions of the modern world. AI used in various ways in our day-to-day life mobile phones use AI for face recognition and voice assistance like siri and Knowledgeable Research (KR) 2026, vol.5, Issue.01

google assistance. Within a minute using these apps connect from world wide through mail, video conference, video calling, Imo, Botim, Facebook, Snapchat using these apps. So many online shopping platform, blinkit, flipkart, mesho, mintra, Amozon are the famous platform of online Shopping it is possible for AI. In Hospitals, AI helps doctors defects diseases and plan better treatment through smart apps. For example, "To better assess research articles in cancer research, limit ambiguity, contradictions and selection bias, a short unified AI and ML glossary dealing with 70 concepts in non-technical yet accurate terms was written in order to help non-AI or non-ML researchers entering this emerging field, to better understand, assess and use these concepts in cancer research"[3].

One & the biggest advantage of AI is that it save time, manpower and effect. It have ability to perform multiple task in one time never get tired work continuasly and it also helps in doing difficult tasks and risky areas. Such as space research, weather prediction, like cyclone, flood, etc. and AI helps to make decision- making and accuracy.

Core concept of AI

AI is based on core concepts and technologies that enable machines to learn, reason, and make decisions on their own.

Let's see some concepts: -

- Machine learning
- Deep learning
- NLP

AI in the preservation of cultural Heritage and Oral tradition.

AI contributes to cultural heritage preservation in several significant ways. One of the Main objectives of this work is to provide the scientific community with a taxonomy of methods used in the field of cultural Heritage. This taxonomy begins with a classification of CH protection works, aiming to identify the classes & cultural property the scientific community is working to preserve.

Unesco defines intangible cultural heritage as practices,

expression, knowledge & skills passed down through generations [4]. Oral traditions are central to this process, as they transmit shared values & historical consciousness[5]

Human Relationships as cultural Heritage in Hosseini's Novels.

Khaled Hosseini's select Novels- The kite Runner, A thousand splendid suns, And the mountain echoed, Sea prayer portray human relationships as the foundation of afghan culture. Deeply rooted in emotion of honor loyalty, sacrifice, hospitality & obligation.

Relationships between parents **and** children (Amir-baba from the kite runner) (mariam-laila) portray cultural, expectations, redemption, honour, guilt emotional inheritance trauma trust & betrayal. Their shared suffering mutual support reflect an oral tradition of womens endurance & moral strength.

Friendship between amir & Hassan demonstrate loyalty & betrayal repeating oral moral lessons traditionally passed through storytelling & the bond between morium & laila represent society, secrifies, solidrity love, care & resistance of cultural Heritage. Diasporic relationships in Hosseini's work further extend the concept of cultural Heritage beyond geographical boundaries.

Hosseini's novels charactors narrates stories family memories, cultural traditions and values rituals transforming personal recollections, memories into collective heritage. Thus, Hossini's novel function as literary and achieves, preserve, culture through emotional narrations.

Oral Narrative techniques in Hosseini's Fiction:

Hosseini's narrative style closely oral story felling tradition, songs, confession narration, story within novel, memories of past periods, legends, proverbs and indigenous knowledge transmitted verbally across generations.

- **Trauma, Memory and displacement.**

War and exile disrupted to human bonds, yet they also strengthen need for memory preservation Hosseini's charactors carry trauma that is communicated through

story telling.

AI based oral history projects similarly document.

- Refugee experience
- Survivor testimonies
- Cultural loss due to conflict.

Both literature & AI depositories of trauma ensure that suffering is neither erased nor forgotten.

- **Ethical considerations**

AI preservation must respect

- Cultural ownership
- Emotional integrity
- Narrative authority.

Hosseini humistic vision reminds us that cultural heritage cannot be reduced to data alone, preservation must remain human – centered.

The Kite Runner – memory, guilt, trauma & oral history.

The Kite Runner is deeply embedded in Afghanistan's oral culture. Stories of childhood, kite-fighting traditions, family honour & moral responsibility are passed through memory & narration. Relation to Artificial Intelligence, culture heritage & oral tradition.

- AI can preserve kite-fighting traditions.
- Hosseini's narrative is driven by memories of oral recollection, reflecting Afghan storytelling culture.

"The past claws it way out"

[6]

This line presents past events, especially traumatic or hidden ones; collective histories resist erasure, no matter how hard you try to bury or forget them, often bringing guilt or consequences. Displaced Afghan communities are digitally remembered rather than lost.

"For you, a thousand times over"

This oral promise between Hassan & amir's represent friendship bond, extreme devotion, loyalty, sacrifice and love, & symbolizes loyalty, friendship & ethical responsibilities.

AI preserve these oral narration parallels the novel's requirements on remembering emotional truth across time.

- **A thousand splendid suns– women's voices & oral testimony.**

The quote from Khaled Hosseini's novel 'A Thousand Splendid Suns.

"Like a compass needle that points north, a man's accusing finger always finds a woman". [7]

This quote captures the cultural, moral or social failure and oral suffering. AI-supported oral history projects can preserve such marginalizd voices become part of documented heritage.

- **And the mountain echoed** Fragmented families and storytelling across Borders.

The novel narrates oral chain of stories through generation to generation.

"What you remember has as much to do with what you forget"[8].

This line resonates with AI's selective collective memory power, what is preserved digitally keeps cultural memory.

- **Sea prayer – oral lament & Refuge memory**

Sea prayer itself a oral tradition & futher address a prayer to his son

"I see your face in mine"

The line reflects generational continuity, identify and trauma memory or diaspora. AI preservation of refuge oral narratives serves similar purpose. Through memory & love sees reflected in his child's face.

Conclusion:

AI is a good tool if we use AI in a fair and right way, it helps us save old stories, traditions & there Khaled Hosseinis novels serve as literary memories of these traditions portraying memory, story felling and shared cultural narratives, relationships amid loss and displacements. By connecting AI with human preservation with Hosseini thematic exploration of human bonds this paper hight lights an interdisciplinary convergence where technology safeguards not only culture but also the emotional fabric or humanity.

This paper has reveated that Artificial Intelligence plays a vital role & transpormed role in the preservation of cultural Heritage and oral Heritage loadings where memories storytelling & interpersonal bonds form the core of cultural identity. By digitization oral narratives recording endangered languages & enabling wider access to intangible cultural expression, AI not only sefegrands across generation & geographic. Morover the ethical & human centered application of AI mirrors Hosseinis literary emphasis on empathy responsibility & moral connection while technology is ofthen perceived as impersonal, this study orgues that AI when guided by cultural sensivity can strengthen human relationship by fostering understanding between cultures & preserving voices that have historically been marginalised. AI become not merely a technological tool but a medium of relation continuity.

AI continues to redefine global security paradigms, its role in cultural Heritage protectin connot be overlooked and as we stand on the threshold of AI driven future, the responsibility of security is a moral imperative. The use of AI in the documentation, preservation & conservation of cultural Heritage sites and artefacts has proved to be immensely beneficial for a number of reasons. It saved an enormous amount of both time and cost in the restoration and preservation of the heritage sites and artefacts. AI has also provided several new ways in which to propagate the information that is usually given to the audience within the heritage sites. Now, through virtual reality & also 3D scanning, the viewers can get a deep understanding of what our ancestors went through; furthermore, the utilisation of AI to replace broken objects.

Works Cited

- [1] F. Colace, R. Gaeta, A. Lorusso, M. Pellegrino, and D. Santaniello, “New AI challenges for cultural heritage protection : A general overview,” *J. Cult. Herit.*, vol. 75, pp. 168–193, 2025, doi: 10.1016/j.culher.2025.07.019.
- [2] S. Russell and P. Norvig, *Artificial Intelligence: A Modern Approach, Global Edition*, 4ed.
- [3] R. Seigneuric and I. Bichindaritz, “Decoding artificial intelligence and machine learning concepts for cancer research application,” *Integr. Cancer Sci. Ther. Res.*, vol. 6, pp. 1–8, 2019, doi: 10.15761/ICST.1000317.
- [4] “2003 Convention for the Safeguarding of the Intangible Cultural Heritage,” no. November, 2011.
- [5] E. Giaccardi *et al.*, *Heritage and Social Media*. 2012.
- [6] H. KHALED, “THE KITE RUNNER,” 2003.
- [7] K. Hosseini, “A Thousand Splendid Suns,” no. July 2007, pp. 1–253, 2008.
- [8] H. KHALED, *And The Mountains Echoed*. 2013.