Mitigating LLM Hallucinations in Quranic Content: An Agentic Approach Using Deployable Language Models

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Abstract

Large Language Models (LLMs) suffer from hallucinations - fabricating false information with high confidence - which poses critical risks in religious contexts where accuracy is paramount. When applied to Quranic content, these hallucinations can manifest as fabricated verses, incorrect diacritical marks, or misattributed sources, potentially leading to unacceptable distortion of sacred text. This paper addresses LLM hallucinations in Quranic text retrieval through an agentic framework that leverages external knowledge tools rather than relying on potentially flawed model memorization. We present two primary contributions: First, a benchmark quantifying hallucination rates across various LLMs on Quranic verse generation, revealing exact match rates below 1% for

most open-source small language models and up to 69% for the best commercial models. Second, the preliminary result of our novel Islamic agentic approach that enables smaller, deployable models to achieve over 95% accuracy through SQL-based retrieval tools, providing a cost-effective, transparent, and locally deployable solution for accurate Islamic text retrieval. © 2025 IEEE.

Author keywords

Agentic Framework; Islamic AI; LLM Hallucinations; Religious Information Systems

Indexed keywords

Engineering controlled terms

Artificial intelligence; Information retrieval; Information systems; Information use; Knowledge management; Open systems; Search engines

Engineering uncontrolled terms

Agentic framework; External knowledge; High confidence; Islamic AI; Language model; Large language model hallucination; Open-source; Primary contribution; Religious information system; Text retrieval

Engineering main heading

Cost effectiveness

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