

# Quranic Knowledge AI Chatbot

Explore the profound wisdom and guidance within the Quran through a comprehensive translation app that seamlessly integrates contextual examples and detailed references.



# Introduction

This is a Quranic Knowledge Chatbot designed to provide answers directly from the Quran in Arabic, followed by translations and explanations in the same language as the user's input. The chatbot also provides detailed references, including Para, Surah, and Ayah numbers, for each answer. The model is specifically designed to answer queries related to the Quran.

## Features

- **Quranic Verses in Arabic:** Provides the relevant Quranic verse in Arabic for each query.
- **Language-Specific Explanations:** Delivers explanations and translations in the user's input language.
- **Detailed References:** Includes Para, Surah, and Ayah numbers for each Quranic reference.

# Collaborative Team: The Quranic Insights



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Data Scientist



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# Features

## User History

Track and store previous user queries and results, providing easy access to past interactions for better user experience.

## Language Consistency

Ensure that responses are given in the same language as the user's input.

## Detailed References

Include Para, Surah, and Ayat references with each answer.

## Quranic Context

Display relevant Ayats from the Quran before presenting the answer.



# Leveraging the Latest Technologies



## Database

## Faiss for fast and scalable vector searches



## AI Models

1. `ibm-granite/granite-3b-code-instruct`
2. `all-MiniLM-L6-v2`



## Pipeline

## RAG (Retrieval-Augmented Generation) pipeline for enhanced contextual accuracy



## Deployment

Streamlit for an interactive and dynamic web interface.

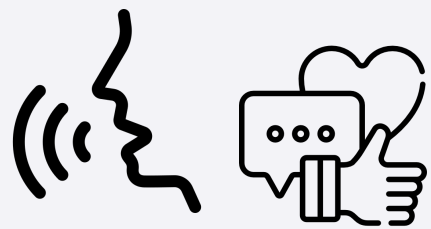


# Future Work



## **Integrating Hadith and Sunnah:**

Expand the app to include Hadith and Sunnah, providing a more comprehensive Islamic resource alongside the Quran.



## **Voice Recognition and Feedback System:**

Implement voice recognition for spoken queries and a user feedback system to enhance interaction and continuously improve the app's responses.





**Thank You!**