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**The Hadith Explorer Chatbot**

By **Rasikh Ali**

# **Description**

**Title:**

AI-powered Hadith Explorer Chatbot.

**Purpose:**

The purpose of this AI model is to assist users in exploring and retrieving relevant Hadiths based on their queries. The chatbot provides both direct answers and a broader context to help users understand the teachings of the Prophet Muhammad (PBUH).

**Input:**

* User Query

**Output:**

* **Question Answer System**: Provides direct, concise responses to user queries. Includes Hadith text, book name, chapter number, section number, Hadith number, and grade.
* **Semantic Search:** Retrieves and displays full Hadiths related to the query. Provides a broader context with detailed Hadith information.

**Technology:**

State-of-the-art AI and natural language processing techniques.

**Language:**

* English Translation.
* Arabic Translation.
* Support for Every Language Translation.

**Source Data:**

* Authentic Hadith collections with English and Arabic Translation, collected by

*Leeds University* and *King Saud University*

taken from Github (github.com/ShathaTm/LK-Hadith-Corpus).

# **Script – Hadith Explorer Chatbot**

**See RasikhAli-Hadith\_Explorer.mkv**

**Introduction**

Assalam O Alaikum everyone, I’m Rasikh Ali, a student of **AI Training Program** by **Ilm O Irfan Technologies**.On behalf of Ilm o Irfan Technologies, I extend a warm welcome to all of you. This is a demonstration of our AI-powered Hadith Explorer Chatbot. This innovative tool is designed to help users quickly and accurately find relevant Hadiths based on their queries. Let's dive into its working!

**Overview**

To start, let me provide you with a brief overview of how this AI model operates. The model processes user queries, searches through the Hadith database, i.e. English and Arabic Hadith Complied in a csv file, and retrieves Hadiths that match the context and content of the query. It presents the results in two sections: Question Answer and Semantic Search.

**Step 1: Input a Query**

Let's input a query to see how it works. For example, we'll ask, **"What did the Prophet (PBUH) say about honesty?"**. Now, as you can see, it provides accurate result and gives us relevant Hadiths.

**Step 2: Question Answer Section**

The first section of our results is the Question Answer section. Here, the AI provides direct and concise responses to the query. For instance, one of the hadith mentions:

**The Prophet Muhammad (PBUH) said, "Do not tell a lie against me for whoever tells a lie against me (intentionally) then he will surely enter the Hell-fire."**

This Hadith is found in Sahih Bukhari, Chapter 3, Hadith 106. Each response includes the book name, chapter number, section number, Hadith number, and grade to help you understand the Hadith better.

**Step 3: Semantic Search Section**

Next, we have the Semantic Search section. This part of the result includes full Hadiths related to the query, offering a broader context. For our query about honesty, it retrieves additional Hadiths emphasizing the importance of truthfulness and integrity. This section gives you detailed Hadith information, enhancing your understanding of the teachings of the Prophet (PBUH).

**Conclusion**

In conclusion, our AI-powered Hadith Explorer Chatbot is both efficient and precise in finding relevant Hadiths and providing clear answers. It's an invaluable resource for students, researchers, and scholars looking to explore the teachings of the Prophet Muhammad (PBUH) with ease.

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Description automatically generated**JazakAllah for your time and patience.**

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