

Techietalks AI - Multi-Model Chat Assistant with RAG and Website Integration

Welcome to the Techietalks AI repository! This project is a multi-model AI-powered chat assistant built using Streamlit, Pydantic_AI, and multiple AI models like OpenAI, DeepSeek, and Gemini. It allows users to interact with different AI models, switch between them, and enjoy a conversational experience. Additionally, this version includes Retrieval-Augmented Generation (RAG) functionality for processing PDF documents and website content integration for enhanced knowledge retrieval.



by **Sreeprakash Neelakantan**



Repository Structure

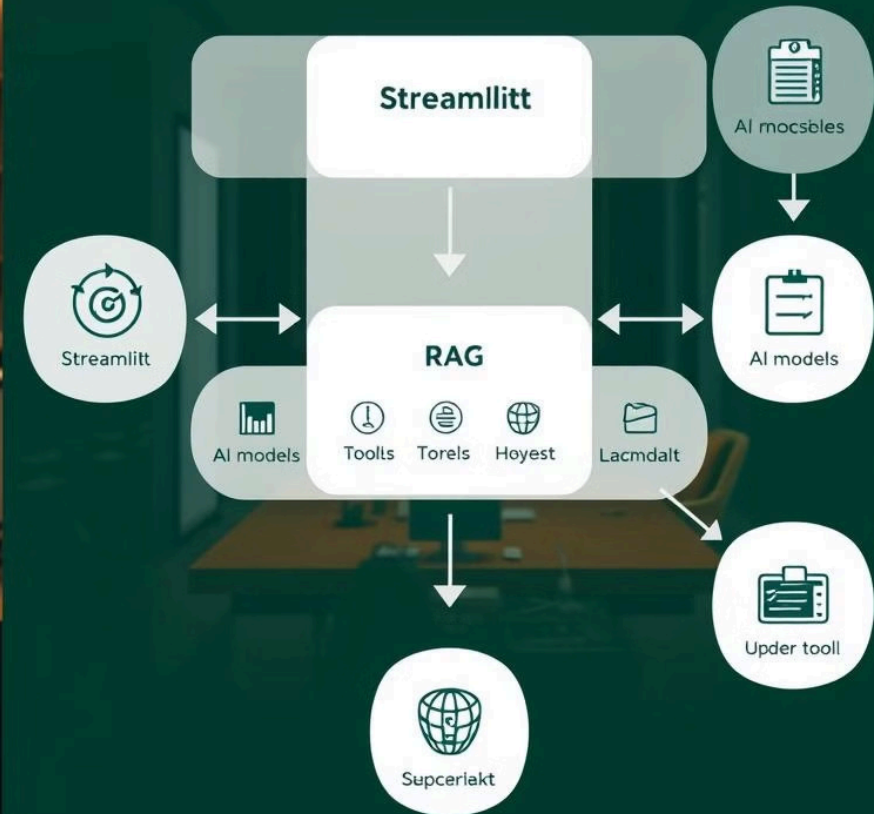
Files

- .DS_Store
- .env
- .gitignore
- Dockerfile
- app.py
- docker-compose.yml
- requirements.txt
- sree.txt

Directory

- data/
- web/static/index.html

Techietalks



How It Works



Streamlit

Powers the chat interface.



OpenAI API

Generates conversational responses.



DeepSeek API

Provides conversational responses.



Gemini API

Generates responses.



Setup Instructions

1

Prerequisites

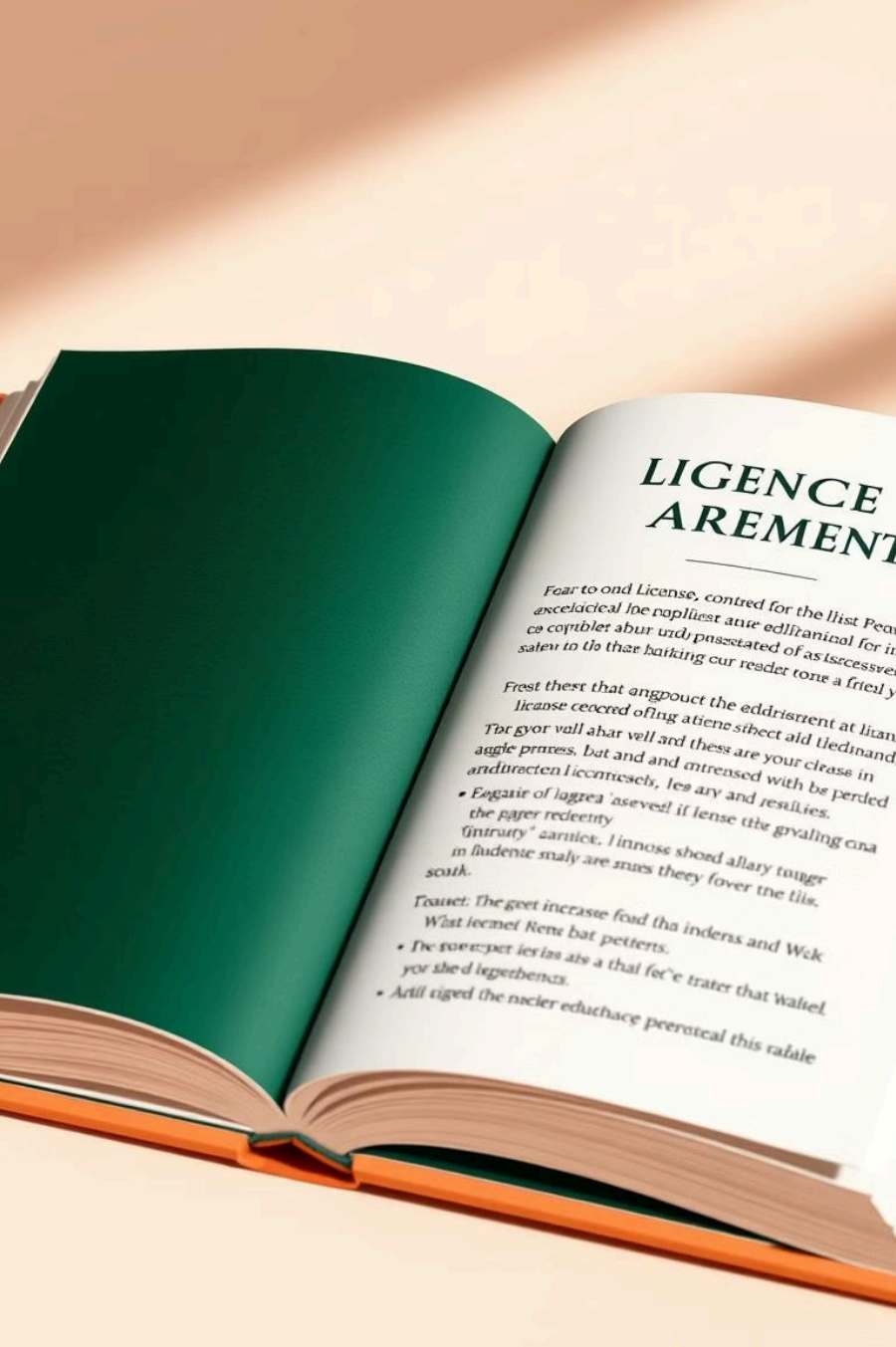
Python 3.11, Docker, API keys for OpenAI, DeepSeek, and Gemini.

2

Steps

Clone the repository, set up environment variables, run the application using Docker Compose, upload PDFs or add website URLs.





License

This project is open-source and available under the MIT License. Feel free to use, modify, and distribute it as needed.

Contact

For AI consultancy, training, and development, contact Schogini Systems Private Limited at <https://www.schogini.com>.





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Enjoy Techietalks AI!

Enjoy using the Techietalks AI Multi-Model Chat Assistant with RAG and Website Integration! If you have any questions or feedback, feel free to reach out. 😊