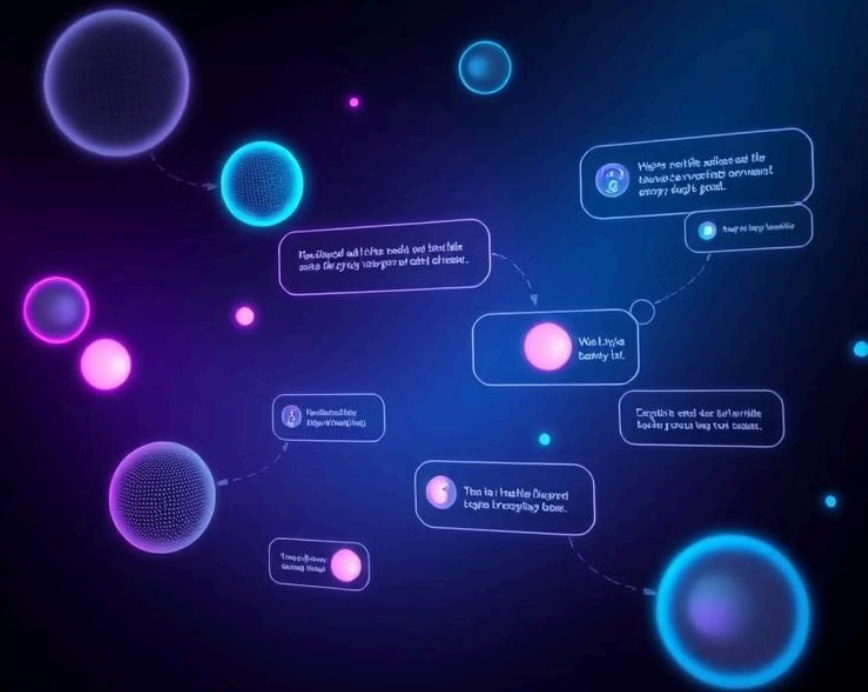


Techietalks AI - Multi-Model Chat Assistant with RAG

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, enabling the assistant to answer questions based on uploaded PDF documents.



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

How It Works

1

Streamlit

Powers the chat interface.

2

Pydantic_AI

Structures and validates AI responses.

3

OpenAI, DeepSeek, Gemini

AI models for generating conversational responses.

4

RAG

Combines retrieval of relevant information from documents with generative AI to provide context-aware answers.

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Setup Instructions

Prerequisites

- Python 3.11
- Docker
- API Keys

Steps

- Clone the Repository
- Set Up Environment Variables
- Run the Application
- Upload PDFs



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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- Website: <https://www.schogini.com>
- GitHub: <https://github.com/schogini/techietalksai.git>

Enjoy Techietalks AI!

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

