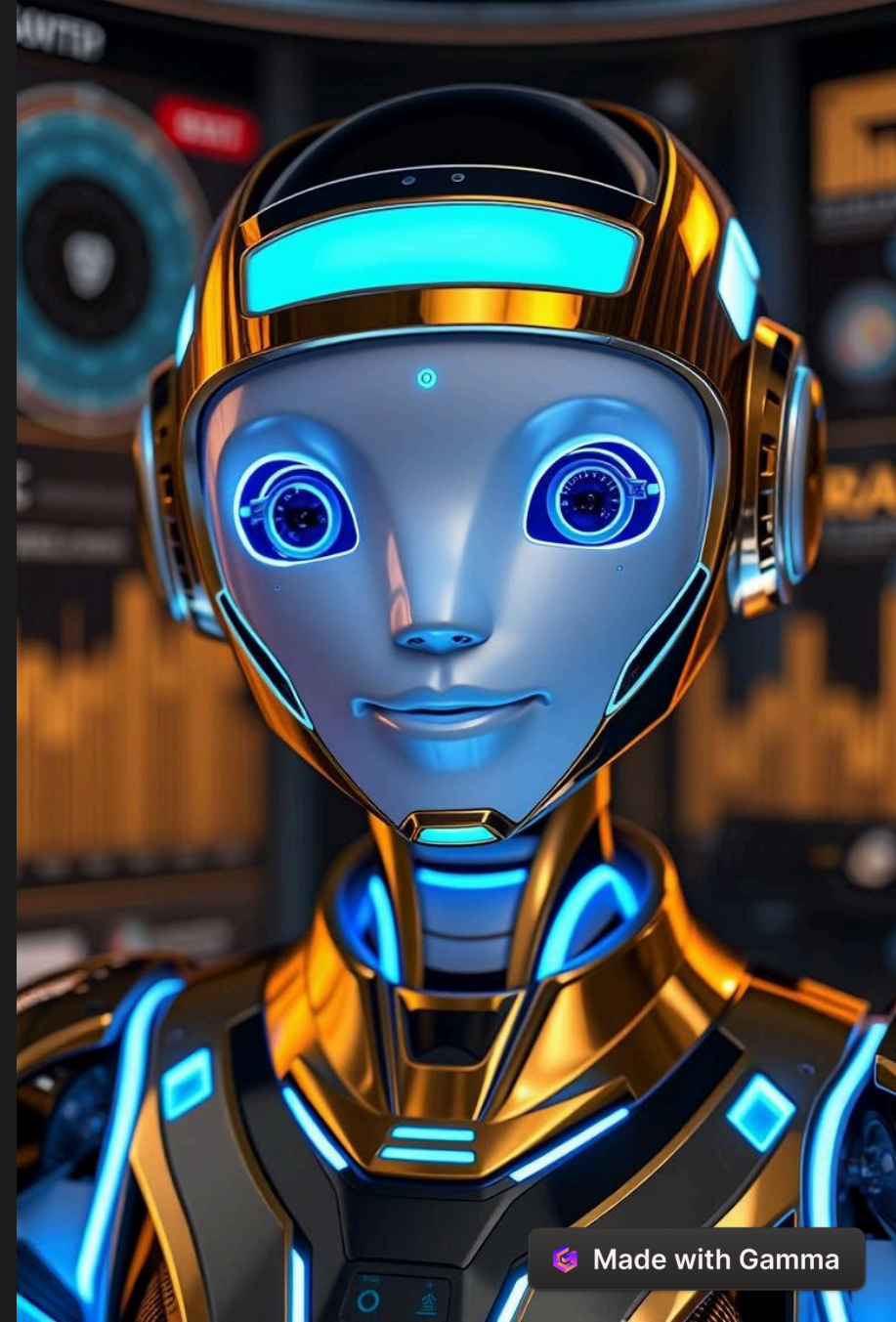# Techietalks AI - Multi-Model Chat Assistant with Web Server

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 a web server (using NGINX) to serve static content alongside the chat assistant.

by Sreeprakash Neelakantan

Repository Structure

Core Files

- .env: Store environment variables like API keys.
- Dockerfile: Build a Docker image for the Streamlit application.
- README.md: Project overview and setup instructions.
- app.py: Main application file with chat interface and AI model integration.
- docker-compose.yml: Configuration file to run the application using Docker Compose.
- requirements.txt: Lists Python dependencies.

Supporting Files

- .DS_Store: macOS-specific file, ignore it.
- .gitignore: Specifies files Git should ignore.
- web/static/index.html: Static HTML file served by the NGINX web server.
- sree.txt: Placeholder text file.

How It Works

1 Streamlit

Powers the chat interface, providing an interactive web application.

2 Pydantic_AI

Structures and validates AI responses.

3 AI Models

OpenAI, DeepSeek, and Gemini generate conversational responses.

4 NGINX

Serves static content like HTML files.

5 Rich

Pretty-prints debug information.

Setup Instructions

Prerequisites

- Python 3.11
- Docker
- API Keys for OpenAI, DeepSeek, and Gemini

Steps

1. Clone the repository.
2. Set up environment variables in a .env file.
3. Run the application using Docker Compose.

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 Web Server! If you have any questions or feedback, feel free to reach out.