ISHA NAYAL

8527678861 • ishanayal16@gmail.com • www.linkedin.com/in/isha-nayal • https://github.com/IshaNayal

Education

Colonels Public School
Gurugram, Harayana

12 PCM
2023 - 2024

Dronacharya College of Engineering
Gurugram, India

Bachelor of Technology in Computer Science and Information Technology
08/2024 - 08/2028

Technical Projects

Local RAG
https://github.com/IshaNayal/Local-RAG

- Developed a Local RAG (Retrieval-Augmented Generation) system using Python.
- Implemented document embedding and retrieval with FAISS for efficient local vector search.
- Enabled offline, privacy-preserving query resolution with context-aware responses.
- Optimized the system for fast retrieval, modularity, and ease of local deploymentDeveloped a Local RAG (Retrieval-Augmented Generation) system using Python, enabling real-time contextual Q&A without cloud APIs.
- Implemented FAISS-based vector search, indexing over 1,000+ documents with average retrieval time under 150ms.

Mental AI Health Chatbot
https://github.com/IshaNayal/mental-ai-chatbot

- Developed a **Streamlit-based web application** for mental health support with real-time AI conversation capabilities using **Ollama's LLaMA3 language model.**
- Implemented **session-based chat history management** using st.session_state to maintain context-aware responses throughout the interaction.
- Engineered AI-driven features like **positive affirmation generation** and **5-minute guided meditations** using prompt-based querying with a local LLM.
- Optimized user interaction flow with asynchronous response handling via **Streamlit's spinner and layout controls (columns, buttons, markdown)** for smooth UX.

Personal Portfolio
https://github.com/IshaNayal/portfolio

- Built and deployed a personal portfolio using HTML, CSS AND JavaScript.
- Showcases my skills, projects and contact information in a clean, mobile-friendly design
- Deployed using Vercel
- Portfolio : https://portfolio-ckxd.vercel.app/

Technical Skills

AI/ML — Python, OOlama, LangChain, FAISS, Chroma, RAG, LLM

Front End Development — HTML, CSS, JavaScript