

Adithyan K A Nair

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PROJECTS

PDF QUESTION ANSWERING BOT

- LangChain, FAISS, Hugging Face Embeddings, Groq API, Python
- Developed a PDF Q&A chatbot using LangChain's RAG framework that answers questions from PDF documents using LangChain's RAG pipeline
- Parsed PDF files, chunked text, embedded using SentenceTransformers, indexed via FAISS, and answered queries using Groq's LLaMA-3 model
- Deployed using Streamlit with a multi-turn chat UI and role-based context injection.

CLI CHATBOT (GROQ + LLAMA-3)

- Python, Groq API, LLaMA-3, Prompt Engineering, CLI
- Created a terminal-based chatbot with multi-turn memory, role-based messaging (system/user/assistant), and temperature control
- Integrated with Groq's OpenAI-compatible API, enabling fast, cost-free responses with open-source LLMs
- Implemented chat saving, modular design, and memory-preserving chat flow

KNOW NOW

- Python, Django, HTML, CSS, JS
- Developed automated web scraping system using BeautifulSoup to collect news articles from 3+ external sources
- Built Django backend with user authentication and database integration for storing and managing scraped content
- Implemented dynamic filtering system allowing users to browse articles by category in real-time

EXPERIENCE

TATA CONSULTANCY SERVICES | ENGINEER

June 2024 – June 2025

- Created knowledge base articles that reduced setup errors by reduced by approximately 30 %
- Documented troubleshooting procedures that reduced team resolution time by 20 %
- Handled AD - user account creation, group policy management and access controls
- Collaborated with cross-functional teams to identify process improvement areas and streamline support operations.
- Provided application support and issue resolution for internal enterprise systems.
- Gained experience in software development lifecycle (SDLC), change management, and deployment cycles within an agile team.

EDUCATION

MAHATMA GANDHI UNIVERSITY

BACHELOR OF COMPUTER APPLICATIONS

September 20221 - May 2024

CCPA: 7.64

SKILLS

- Languages:Python, JavaScript
- Frameworks:Flask, FastAPI, Django, React
- Libraries:LangChain, FAISS
- Tools:Git, Streamlit, dotenv
- Soft Skills:Problem Solving, Critical Thinking, Team Collaboration

COURSES

- Intro to Generative AI - Google Cloud
- Prompt engineering for developers - DeepLearning.AI & Open AI
- Python - kaggle
- Python for generative AI - Coursera

LANGUAGE

- Malayalam
- English
- Hindi

ORGANIZATIONS

Google Developers Club

INTERESTS

Fitness, Food & Travel