DALI NAVEEN

AI ENGINEER FRESHER

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EDUCATION

Bachelor of Technology
Computer Science and Engineering
Newton's Institute of Science and Technology
2021–2024
CGPA: 7.34

Intermediate
Vignan Junior College
2020
CGPA: 8.3

SKILLS

Programming: Python
Generative AI: GPT models, LLaMA-3, LLMs, LangChain, LlamaIndex, Hugging Face Transformers, Prompt Engineering, Prompt Templates, Embeddings, Tokenization

RAG & Vector Databases: RAG pipelines, FAISS, ChromaDB, Document ingestion, chunking & retrieval strategies
ML / AI Concepts: Model evaluation basics, Fine-tuning concepts (LoRA, PEFT – conceptual understanding)
Backend & Deployment: FastAPI, Flask, Model Integration
Tools: Git, Google Colab,streamlit VS Code

PROFILE

Early-career AI/ML Engineer with hands-on experience building Generative AI applications, including chatbots and retrieval-augmented systems. Strong in Python, machine learning fundamentals, and NLP, with practical exposure to LangChain, LlamaIndex, and vector databases. Interested in solving real-world problems and growing in an AI-driven engineering role.

PROJECTS

AI Knowledge Assistant (RAG-Based System)

Tech Stack: Python, LangChain, FAISS, Hugging Face Transformers

- Designed and developed a **Retrieval-Augmented Generation (RAG) based AI assistant** for document-centric question answering.
- Implemented **end-to-end pipeline** including document ingestion, text chunking, embedding generation, and vector indexing using **FAISS**.
- Integrated **LangChain** to orchestrate retrieval and LLM response generation with reusable prompt templates.
- Improved response relevance and accuracy through **prompt engineering, chunk size tuning, and similarity threshold optimization**.
- Exposed the AI assistant via a **REST-style backend interface** (FastAPI concept) for easy integration with applications.
- Structured the project with modular components to support **scalability, maintainability, and future model upgrades**.

AI-Powered Test & Content Summarization System

- Built an **AI-driven summarization system** to automatically generate concise summaries from long test reports and structured documents.
- Used **transformer-based language models** from Hugging Face to extract key insights, action items, and high-level overviews.
- Designed **prompt templates** to control summary length, tone, and consistency across different document types.
- Implemented preprocessing logic for cleaning, chunking, and handling large text inputs beyond token limits.
- Evaluated output quality using manual review and iterative prompt refinement to improve clarity and relevance.
- Designed the system to be easily extendable for **multi-document and batch summarization workflows**.

LANGUAGES

English , Telugu