Atharva Rajesh Gangodkar

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Education

Bachelor of Technology (Jain University)

- Major in Computer Science Engineering with Specialization in Artificial Intelligence and Machine Learning

About

Ambitious and passionate professional with a profound enthusiasm for artificial intelligence and machine learning, particularly in deep learning and generative AI. A quick learner and adept problem-solver, eager to embrace and surmount challenges with unwavering commitment and curiosity. Flexible, adaptable, and skilled in strategic planning, with a keen interest in building innovative applications. Combines research expertise, medical knowledge, and a creative mindset to pioneer groundbreaking solutions.

Skills

Technical Skills

- Python | Sklearn | Tensorflow | MongoDB | AWS | Tableau | Git | Streamlit |
- Machine Learning | NLP | Langchain | Langsmith | Langgraph | Autogen | CrewAI

Non Technical Skills

- Problem Solving | Critical Thinking | Good Communication | Analytical Thinking | Curious
- Attention to Detail | Leadership | Time Management | Adaptable | Patience

Projects

- **SAGE - Smart Analytics and Guidance Engine**
  - Developed SAGE, a Streamlit-based tool mainly for data analysis and preprocessing.
  - Implemented algorithms that optimize all machine learning tasks also that help in generating ML pipelines.
  - Enhanced data profiling and downloadable, ML pipelines.
  - Beginner friendly tool, for Data Analysts, Data Scientists, ML engineers and enthusiasts.

- **SANET - Sanskrit to English Neural Translator**
  - Developed a neural machine translation model for Sanskrit-to-English translations.
  - Preprocessed and trained the model on the bilingual itihasa dataset, capturing the complex linguistic nuances of Sanskrit.
  - Implemented LoRA techniques to increase the efficiency of the model in translations.
  - CLI - based interface that provides good translations.

- **RAGify**
  - Developed RAGify, streamlit based application, that solves user queries in an efficient and succinct manner.
  - Users can also provide URLs to the system for web scraping their data and interact with this information.
  - Automatic question routing logic to determine whether to query the vectorstore or perform a web search based on user queries.
  - Incorporated relevance grading and hallucination detection to ensure the generated answers are accurate, contextually grounded, and factually relevant.

- **DOROTHY (ONGOING PROJECT)**
  - Personal AI Assistant that automates daily tasks, helps me with college assignments and documentations.
  - Using CrewAI to build a System. This consists of 2 LLMs , llama model for daily tasks and conversations, DeepSeek model for coding and programming related queries.
  - Dorothy at this stage can easily write codes that are related to machine learning, web development and also writing reports. Integration with Google Docs for automated documentation is yet to be completed.

Certificates

- **Generative AI with Large Language Models (Coursera)**
- **Fine-tuning Large Language Models (Coursera)**
- **Fundamentals of Visualization with Tableau (Coursera)**
- **Getting started with Azure IoT Hub (Coursera)**