DIVYANSH TRIVEDI

AI Engineer | Generative AI | Agentic Systems

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Summary

Computer Science undergraduate and **AWS Certified Cloud Practitioner** with hands-on experience building Generative AI applications, AI agents, and multi-agent systems using Python, **LangChain, LangGraph, and RAG**. Experienced in LLM integration, AI-powered workflows, and building applications for research and content intelligence. Interested in developing practical AI solutions as an **AI Engineer**.

Technical Skills

Programming Languages: Python, Java, SQL
AI & Generative AI: LLMs, Agentic AI, Multi-Agent Systems, RAG, LangChain, LangGraph, ChromaDB, Hugging Face, OpenAI API
Frameworks & Libraries: Streamlit, NumPy, Pandas
Databases: MySQL, ChromaDB
Tools: Docker, Git, GitHub, VS Code
Core Computer Science: Data Structures & Algorithms, OOP, DBMS, Operating Systems

Projects

Quorum – Multi-Agent AI Research Assistant *Python, LangGraph, Mistral AI, Tavily, Streamlit* *GitHub*

- Built a multi-agent research application using LangGraph, coordinating four specialized agents: Search, Reader, Writer, and Critic.
- Integrated Mistral AI, Tavily API, and custom LangChain tools to automate web research, source extraction, and report generation.
- Developed a Critic agent to review generated reports for factual accuracy and completeness and assign a quality score.
- Created a Streamlit dashboard with live agent status, session history, and Markdown report export.

AI Video Assistant *Python, LangChain, ChromaDB, Whisper, Mistral AI, Sarvam AI, Streamlit, Docker* *GitHub*

- Developed an application that processes YouTube videos and audio files to generate transcripts, titles, and structured summaries.
- Built three AI modules for summarization, extracting decisions and action items, and answering questions about video content.
- Implemented a RAG pipeline using LangChain, ChromaDB, and Hugging Face Embeddings for contextual question answering over video transcripts.
- Integrated OpenAI Whisper and Sarvam AI for English, Hindi, and Hinglish speech-to-text, with PDF/TXT export functionality and Docker-based deployment.

Education

KIET Group of Institutions, Ghaziabad, Uttar Pradesh *2023 – 2027*
B.Tech – Computer Science CGPA: 8.0
Durgaprasad Vidyaniketan, Kanpur
CBSE Class XII: 86.6% | CBSE Class X: 82.6%

Certifications

- AWS Certified Cloud Practitioner – Amazon Web Services
- Python Programming (100 Hours) – Infosys Springboard
- MySQL Certification – HackerRank
- Database Programming with SQL – Oracle Academy

Leadership & Extracurricular

Steppers Dance Crew – KIET Dance Club

- Participated in team-based competitive dance events at IIT Delhi, IIM Rohtak, and MNIT Allahabad.
- Contributed to promotional and social media activities, developing teamwork, communication, and coordination skills.