

VINEETH N

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PROFESSIONAL SUMMARY

AI/ML Developer and AI Engineer with expertise in developing intelligent systems using large language models (LLMs) and AI agents. Skilled in leveraging frameworks like Langchain, CrewAI, and LlamaIndex to create innovative AI solutions.

WORK EXPERIENCE

AI/ML Engineer

July 2024 - Present

Gaude Business & Infrastructure Solutions

- Developed and fine-tuned Large Language Models (LLMs) to create custom AI solutions for chatbot applications
- Engineered an agentic chatbot that interacts with external search engines to retrieve real-time information, enhancing the bot's ability to provide up-to-date responses.

AI/ML Developer

June 2024 - July 2024

Gaude Business & Infrastructure Solutions

- Developed and implemented LLM-powered chatbots and AI agents for diverse applications
- Utilized Langchain, CrewAI, LangGraph, and LlamaIndex to create context-aware, multi-modal AI experiences
- Designed and implemented automated workflows leveraging LLM capabilities
- Collaborated on cutting-edge AI projects to enhance company products and services
- Developed web applications using Django, Flask, FastAPI, and Streamlit for AI system interfaces

AI Researcher

August 2023 - December 2023

Vermithor Technologies

- Conducted research and development on text-to-3D model technology
- Improved text-to-video models through fine-tuning techniques

KEY PROJECTS

- **Multi-Agent Flight Management System** (June 2024)
 - Developed a CrewAI-based system with specialized agents for flight coordination and management
 - Tech stack: CrewAI, ChatGroq LLM, SerperDevTool, ScrapeWebsiteTool, Django
- **YouTube Content Q&A System** (April 2024 - May 2024)
 - Created a system to extract, transcribe, and index YouTube video content for Q&A functionality

- Tech stack: LangChain, OpenAI Whisper, Python, FAISS vector database
- **Automated Facebook Comment Response System** (June 2024)
 - Engineered an AI-driven system for automated, contextual responses to Facebook comments
 - Tech stack: Llama, Facebook Graph API, JSON, Langdetect

TECHNICAL SKILLS

- **AI/ML:** Machine Learning, Generative AI, AI Agents, Large Language Models (LLMs)
- **Frameworks:** Langchain, CrewAI, LlamaIndex, LangGraph, Scikit-Learn, TensorFlow, PyTorch
- **Web Development:** Django, Flask, FastAPI, Streamlit
- **Data Visualization:** Matplotlib, Seaborn
- **Programming:** Python, SQL

EDUCATION

Bachelor of Computer Application

2021 - 2024

Michaels Institute of Management and Technology, University of Kerala

CERTIFICATIONS

- Multi AI Agent Systems with CrewAI
- IBM Data Science Professional Certificate
- Prompt Engineering for ChatGPT
- Google Data Analytics Professional Certificate