RATHNAKARAM NISHITH BHARADWAJ RAJU

Hyderabad | +91 9949159865 | nishithraj.00@gmail.com

PROFILE

I'm an AI/ML Engineer specializing in Generative AI, RAG systems, and multi-agent automation. I build production-ready FastAPI microservices, vector database pipelines, and LLM-driven applications on AWS/GCP. My journey began with frontend development internships, which shaped my approach to designing practical, user-first AI solutions. A college ML project sparked my passion for Artificial Intelligence, leading me into Data Science, autonomous agents, prompt engineering, and scalable cloud-native AI systems. I enjoy bridging research and real-world impact.

SKILLS

Languages: Python, SQL, Java (Basic), JavaScript (Basic)
GenAI & NLP: RAG, LangChain, CrewAI, LlamaIndex, Transformers, Prompt Engineering
Backend & Tools: FastAPI, REST APIs, Docker, GitHub Actions (CI/CD)
Databases: ChromaDB, PostgreSQL, Supabase
Cloud: AWS (EC2, Lambda, S3), GCP (Vertex AI, Vector Search)
ML/DL: TensorFlow, scikit-learn, Pandas, NumPy

EXPERIENCE

AI Engineer — SkillCapital.ai | Hyderabad | 2025
Built multi-agent RAG chatbots using LangChain, CrewAI, and FastAPI. Developed scalable microservices with ChromaDB and Supabase. Designed autonomous agent workflows and improved accuracy using re-ranking and CoT prompting.

Frontend Intern — Accentiqa Systems | Hyderabad | 2024
Developed responsive dashboards, integrated backend APIs, and enhanced UX workflows.

Frontend Intern — KnackTech E-Learning | Remote | 2024
Built dashboard components with React and improved UI consistency and accessibility.

PROJECTS

Multi-Agent RAG Chatbot — LangChain, CrewAI, FastAPI
Designed a production-ready RAG chatbot with orchestration and AWS deployment.

Smart Building Energy Optimization — LSTM, ARIMA, Streamlit
Built ML forecasting system for energy usage optimization.

AI-Powered Q&A; System — LangChain, ChromaDB, FastAPI
Created a domain-specific vector search Q&A; engine.

EDUCATION

B.Tech CSE — GITAM University, Hyderabad | 2025 — CGPA: 6.7
Intermediate — Sri Chaitanya Jr. College — 94%
SSC — Keshava Reddy School — GPA: 10.0