

Ganesh Yandigeri

Bangalore, India · ganeshyandigeri1@gmail.com · +91-6366597684

github.com/Gana-Y · [linkedin.com/in/ganesh-yandigeri](https://www.linkedin.com/in/ganesh-yandigeri) · ganesh-y.vercel.app

Summary

Aspiring AI Engineer with hands-on experience building LLM-powered applications and RAG pipelines. Oracle-certified in Generative AI and AI Foundations (OCI 2025). Focused on applying large language models and deep learning to **healthcare** and **finance** domains. Proficient in Python, LangChain, HuggingFace, FastAPI, and full-stack AI system development.

Technical Skills

AI / ML: Python, PyTorch, TensorFlow, scikit-learn, HuggingFace Transformers, LangChain, RAG Pipelines, Prompt Engineering, Fine-tuning (LoRA/QLoRA), FAISS, Vector Databases, OpenCV

LLM & GenAI: GPT-4, Mistral, LLaMA, LangChain Agents, Embeddings, Semantic Search, LLM Evaluation, Ollama

Backend & Tools: FastAPI, Flask, Node.js, REST APIs, PostgreSQL, MongoDB, Docker, Git, Linux

Frontend: React.js, Next.js, TypeScript, Tailwind CSS

Projects

Florix AI — LLM-Powered Study Assistant

Jan 2025 – Present

Python, LangChain, OpenAI API, FAISS, FastAPI, React.js, PostgreSQL

- Built full-stack AI application that parses PDF documents and auto-generates quizzes and flashcards using GPT-4 and LangChain, reducing student revision time by **40%**
- Engineered RAG pipeline with FAISS vector store enabling semantic search over documents with sub-200ms retrieval latency
- Designed secure REST API with JWT authentication supporting **100+ concurrent users**; tracked progress in PostgreSQL

MedQuery AI — Clinical Document Intelligence System

2025

Python, LangChain, HuggingFace, FAISS, FastAPI, BioMedLM

- Building RAG-based Q&A system over clinical documents (discharge summaries, lab reports) enabling conversational queries over patient records
- Implemented document chunking and embedding pipeline using **sentence-transformers**; achieved **87% retrieval accuracy** on medical QA benchmarks
- Integrated HuggingFace BioMedLM for domain-specific medical language understanding over unstructured healthcare data

FinSight — AI Financial Analysis Agent

2025

Python, LangChain Agents, FinBERT, OpenAI API, FastAPI, PostgreSQL

- Built autonomous LLM agent that ingests earnings call transcripts and SEC filings, extracts financial signals, and generates structured investment summaries
- Reduced manual financial report analysis time by **60%** using LangChain tool-use pipeline with PDF parsing and SQL query tools
- Fine-tuned FinBERT for financial sentiment classification achieving **91% accuracy** on financial news dataset

Experience

Software Development Intern

Feb 2025

Dharwad-Hubballi Tutor · Remote

- Optimized React frontend components improving page load speed by **20%**; resolved critical authentication bugs securing **100+ active users**
- Integrated RESTful APIs enabling real-time data fetching and dynamic content rendering

Education

Atria Institute of Technology — Bangalore

Expected May 2027

Master of Computer Applications (MCA)

Basaveshwara Science College — Bagalkot

2022 – 2025

Bachelor of Computer Applications (BCA) · CGPA: **8.5/10**

Certifications

- Oracle Cloud Infrastructure 2025 Generative AI Professional** — Oracle University, Oct 2025
- Oracle Cloud Infrastructure 2025 AI Foundations Associate** — Oracle University, Aug 2025
- Crash Course on Python** — Google · Coursera, Sep 2025 · Verify