

Gangi Jathin

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About

Computer Science student specializing in AI, GenAI, and data analytics, with hands-on experience in building RAG systems, semantic chunking pipelines, and AI-powered applications. Completed internships at Wipro and Infosys, developing solutions in document retrieval and medical image analysis. Skilled in Python, SQL, FAISS, and full-stack development, with strong presentation and research abilities. Active volunteer with ISOC and HCSC, contributing to cybersecurity and internet governance initiatives.

Education

Vardhaman College of Engineering, Hyderabad

B.Tech in Computer Science; CGPA: 7.6

2021–2025

Internship

AI Developer Intern — Cittaa Healthcare Services Pvt. Ltd

2025

- Developed Vocalysis, an AI-based voice analysis model that evaluates daily activities and emotional well-being using 45–60 seconds of user voice input.
- Applied speech processing and sentiment/emotion analysis techniques to generate well-being scores with 95% accuracy.
- Built and optimized the end-to-end audio-to-inference pipeline for real-world healthcare use cases.

GenAI Intern — Wipro

2024

- Developed LLM-based RAG pipelines for document retrieval, improving query accuracy by 30%.
- Built 2 GenAI apps using hybrid semantic chunking for faster knowledge search across 5000+ documents.
- Presented solutions to cross-functional teams, enhancing internal AI adoption.

Projects

Enterprise Knowledge Agent

2026

- Built a production-grade multi-agent RAG system using LLaMA 3.2 (Ollama) and Qdrant, enabling semantic search and intelligent Q&A over enterprise documents.
- Integrated a complete enterprise stack with FastAPI, PostgreSQL, Redis, MinIO, n8n automation, and Prometheus + Grafana for monitoring and observability.
- Designed a scalable, Docker-based architecture with document ingestion APIs, health checks, and deployment-ready configurations for real-world enterprise use

Customer Churn Prediction System

2026

- Built an end-to-end ML pipeline to predict telecom customer churn, achieving **84.72% ROC-AUC** with XGBoost, enabling proactive retention strategies with potential **\$3.5M+ annual revenue impact**.
- Engineered 20+ predictive features through interaction terms and aggregations, performed hyperparameter tuning with GridSearchCV, and identified 4 distinct customer segments using K-Means clustering for targeted interventions.
- Developed interactive Streamlit dashboard for stakeholder insights; discovered 50% of new customers churn within first year, informing data-driven retention strategies and onboarding improvements.

Professional Skills

Languages: Python, SQL

Technologies: GenAI, AI, ML, Full Stack Development

Tools: FAISS, Jupyter, Power BI, Excel, PowerPoint

Soft Skills: Presentation Design, Communication, Research

Certifications

AI Foundations Associate(Oracle), Azure Fundamentals (Microsoft), GenAI (Wipro), IoT (Cisco), Data Visualization & Python (VCE), Web Programming (VCE), Computer Networks (ISOC), Remote Sensing (ISRO) , Cybersecurity (Google)

Leadership & Volunteering

ISOC Hyderabad (2024): DNS, UA, DNSSEC, DDCN workshops
HCSC Volunteer (2025): Cybersecurity awareness with Hyderabad Police

Languages

English (Professional), Telugu (Native)