

# 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**

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**ISOC Hyderabad** (2024): DNS, UA, DNSSEC, DDCN workshops

**HCSC Volunteer** (2025): Cybersecurity awareness with Hyderabad Police

## **Languages**

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English (Professional), Telugu (Native)