

Anirudh Venkata Iragavarapu

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Professional Summary

Computer Science Engineering graduate (2025) with exposure in **Generative AI, Machine Learning, and Full-Stack Development**. Experienced in building **AI-powered applications** with RAG, LLMs, FastAPI, and Next.js. Strong background in **model development, backend engineering, and scalable APIs**, with hands-on experience through multiple internships and projects.

Technical Skills

Programming & Frameworks: Python, Java, C#, .NET, C, OOP, FastAPI, LangChain

AI & ML: Generative AI, LLMs, RAG, NLP, Deep Learning, Machine Learning

Web Development: React, Next.js, HTML, CSS, JavaScript

Databases: PostgreSQL, MongoDB, MySQL, ChromaDB

Tools & Libraries: Scikit-learn, Keras, SQLAlchemy, Git

Internship Experience

Fasthire 99 — Software Development Intern (T-HUB) | Aug 2024 – Nov 2024

- Built backend pipelines with **LangChain + FastAPI** to parse resumes & job descriptions, improving parsing efficiency by **30%**.
- Automated AI-driven technical assessments using LLMs, reducing recruiter workload by **40%**.
- Developed interactive dashboards with **Next.js**, enabling real-time visualization of hiring insights.

Acmegrade — Machine Learning Intern | May 2024 – Jul 2024

- Built a **cancer prediction model** with Random Forest, XGBoost, and SVM, achieving **92% accuracy**.
- Developed a **music recommendation system** using collaborative & content-based filtering.
- Applied **Scikit-learn & Keras** for preprocessing, model tuning, and visualization.

Projects

AI Compliance Copilot — (2025 – Present)

FastAPI | PostgreSQL | ChromaDB | Gemini Pro | RAG | Next.js

- Founded and engineered an **AI-powered compliance assistant** to help enterprises **search, analyze, and generate compliance documents** with ease.
- Architected and deployed **secure REST APIs** (FastAPI + SQLAlchemy) for **CRUD operations, file ingestion, and AI-driven queries**.

- Implemented **Retrieval-Augmented Generation (RAG)** with Gemini Pro embeddings + ChromaDB for **accurate, semantic compliance Q&A**.

Cryptojacking Malware Classification (Oct 2024 – Mar 2025)

- Developed a real-time **cryptojacking detection system** using ML (Random Forest, SVM, Deep Learning).
- Implemented ensemble learning to improve detection accuracy and reduce false positives.

Cancer Prediction Model (Apr 2024 – May 2024)

- Built predictive models with **GridSearchCV optimization**, selecting the best algorithm by accuracy, precision, recall, and F1-score.
- Compared multiple models like XGboost , SVM , random forest.

Education

B.Tech, Computer Science & Engineering – GITAM University | CGPA: 7.3 | 2021 – 2025

Intermediate, FIITJEE Hyderabad – 81.6% | 2021

The Future Kids School, Hyderabad – 86.6% | 2019

Certifications

- Managing Machine Learning Projects — Coursera (2023)
- Introduction to Machine Learning — Coursera (2023)
- Python Data Structures — Coursera (2023)
- Introduction to OOP with Java — Coursera (2023)