Sujeet Gund

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SUMMARY

Integrated M.Tech in AI student with 3+ years of hands-on experience applying machine learning to real-world challenges. Skilled in Python and end-to-end ML pipeline development—from data preprocessing and model training to production deployment using Docker, FastAPI, and cloud platforms (AWS, GCP). Demonstrated ability to deliver high-accuracy solutions, including phishing detection (97.11%) and anomaly detection (94.16%) systems. Seeking to contribute to impactful AIML, GenAI, and Agentic AI projects while continuing to grow expertise in building scalable, production-ready intelligent systems.

EDUCATION

VIT Bhopal University   Bhopal, India
Integrated M.Tech in Artificial Intelligence, CGPA: 9.29/10.0   *Expected Graduation: 2028*

- Relevant Coursework: Data Science, Machine Learning, Deep Learning, Statistics, Algorithms

TECHNICAL SKILLS

Programming Languages: Python, SQL
Machine Learning & AI: Machine Learning, Deep Learning, Natural Language Processing, Generative AI (LLMs), Agentic AI, Model Deployment
Frameworks & Libraries: FastAPI, Next.js, LangChain, Docker, MongoDB
Cloud & DevOps: AWS, Google Cloud Platform (GCP), Cloud Run, Vercel, Containerization, API Integration, Git

PROJECTS

IPDR Graph Engine | *Python, FastAPI, Machine Learning, MongoDB, GCP, Next.js*   GitHub | Live Demo

- Architected an ML-powered investigation platform that ingests and normalizes IPDR logs (CSV/JSON/Excel) from telecom networks, processing thousands of records to build automated communication graphs with intelligent A→B party extraction
- Developed and trained custom anomaly detection models achieving 94.16% accuracy for identifying suspicious communication sessions, enabling rapid threat detection in large-scale network data
- Built interactive 2D/3D graph visualizations with timeline reconstruction and automated audit report generation, streamlining investigative workflows for security analysts
- Deployed production-ready system with FastAPI backend on Google Cloud Run, Next.js frontend on Vercel, and MongoDB for scalable data persistence and report history management

FastAPI RAG Service | *Python, FastAPI, LangChain, NLP, Docker*   GitHub | API Docs

- Engineered a Retrieval-Augmented Generation (RAG) pipeline using LangChain to process multi-format documents (PDF/DOC/TXT) via URL ingestion, enabling intelligent document-based question answering at scale
- Implemented robust vector retrieval system with type-safe Pydantic models ensuring reliable request/response handling and maintaining accurate QA ordering across concurrent queries
- Containerized application using Docker with comprehensive error handling, logging infrastructure, and interactive API documentation for seamless integration and developer experience

Phishing Website Detection System | *Python, Machine Learning, FastAPI, Docker*   GitHub

- Developed production-grade phishing website detection system leveraging URL pattern analysis and metadata features, achieving 97.11% accuracy through systematic model training and hyperparameter optimization
- Integrated data ingestion, validation, preprocessing, model training, and real-time inference into a seamless end-to-end ML pipeline, enabling scalable and accurate phishing detection for security applications
- Deployed real-time inference API using FastAPI with Docker containerization, enabling scalable integration into security workflows and browser extensions

CERTIFICATIONS

Complete Data Science, Machine Learning, DL, NLP Bootcamp - Udemy (December 2025)
Applied Machine Learning in Python - University of Michigan (December 2024)
Supervised Machine Learning: Regression and Classification - DeepLearning.AI (July 2023)
AWS Cloud Essentials - Amazon Web Services (June 2023)