

Likhith Dude

Cloud & AI/ML Engineer

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PROFESSIONAL SUMMARY

Cloud & AI/ML Engineer who treats deployment as part of the model, not an afterthought - every system versioned, containerized, monitored, and reproducible from a single commit. Brings a rare combination of research rigor and operations discipline: able to read the paper, train the model, and keep it healthy in production. Portfolio of live, publicly verifiable systems rather than coursework. Targeting Cloud, MLOps, AI/ML, or Software Engineer roles nationwide, including remote.

EDUCATION

Florida Atlantic University, Boca Raton, FL

M.S., Computer and Information Sciences | GPA: 3.867/4.0 | Aug 2024 - May 2026

TECHNICAL SKILLS

Languages: Python, SQL, Bash

Cloud & AWS: SageMaker, Lambda, S3, EC2, RDS, CloudWatch, DynamoDB, IAM, VPC

MLOps & DevOps: MLflow, Kubeflow, CI/CD, GitHub Actions, Model Versioning, Data Drift Monitoring, Terraform, Linux, Git

Containers: Docker, Kubernetes, Helm, ECR

ML/AI: Scikit-learn, TensorFlow, Hugging Face, NLP, XGBoost, Isolation Forest

Data & APIs: PostgreSQL, MySQL, DynamoDB, Redis, FastAPI, Flask, REST APIs, Next.js

Tools: Jupyter, VS Code, Postman, Grafana, Groq AI

PROJECT EXPERIENCE

Automated MLOps Pipeline for Real-Time Fraud Detection

github.com/Likhith-Dude/MLOps-Fraud-Detection

Stack: Python, XGBoost, SMOTE, MLflow, FastAPI, Docker, Kubernetes, GitHub Actions, Grafana

- Achieved a 98.49% F1-score and 100% fraud recall (ROC-AUC 1.000) on 284,807 transactions using XGBoost with SMOTE oversampling and threshold optimization.
- Automated the full ingest, train, and deploy pipeline with GitHub Actions CI/CD and Docker, logging a 28-feature PCA workflow in MLflow.

Intelligent Cloud Cost Optimization Engine

github.com/Likhith-Dude/Cloud-Cost-Optimization-Engine

Stack: Python, Isolation Forest, FastAPI, AWS Lambda, AWS Lambda, DynamoDB, CloudWatch, Terraform, Docker, GitHub Actions

- Achieved a 100% F1-score (16 TP, 0 FP, 0 FN) using Isolation Forest anomaly detection on 365 days of AWS cost data.
- Built a serverless FastAPI dashboard (6 endpoints) on AWS Lambda + DynamoDB with Terraform IaC and 38 passing unit tests.

Hire Ready AI - Intelligent Job-Hunting Platform

github.com/Likhith-Dude/HireReady-AI | Live: hire-ready-ai-ten.vercel.app

Stack: Python, FastAPI, Next.js, Groq AI, PostgreSQL, WebSockets, Docker, JWT Auth, GitHub Actions

- Built a full-stack AI job-hunting platform (10 systems, real-time aggregation from 4 APIs, one-click resume tailoring, ATS scoring) deployed on Vercel + Render.
- Engineered a production backend with JWT auth, WebSockets, Redis caching, and 15 REST endpoints, cutting application time from 2 hours to 5 minutes.

Blockchain Event Spotting & Trust Verification

github.com/Likhith-Dude/Blockchain-Event-Spotting

Stack: Python, Blockchain, ECC+AES, NLP, Random Forest, Gradient Boosting, Scikit-learn

- Achieved 98.36% accuracy on 257,673 UNSW-NB15 records with Random Forest (vs. GB 96.55%, DT 89.42%, NB 82.35%).
- Built a hybrid ECC (brainpoolP256r1) + AES-256-GCM encryption pipeline; published at ICCCAI-2024 (Taylor's University collaboration).

CERTIFICATIONS

Google AI Professional Certificate

Microsoft Certified: SQL AI Developer Associate

STAR - Cloud Computing (AWS)

NPTEL Cloud Computing (IIT)