

Aneesh Mussim

Chantilly, VA • 703-589-0168 • saianeesh01@gmail.com

<https://linkedin.com/in/aneeshmussim> • <https://saianeesh01.github.io> • <https://github.com/saianeesh01>

PROFESSIONAL SUMMARY

AI/ML engineer and full-stack developer with **3 years** of turning ideas into revenue-driving, cloud-native products. I build LLM features, wrap them in modern React front-ends, and power them with Python or C# microservices—always shipping fast, secure, test-driven code that delights users.

TECHNICAL SKILLS

Languages: TypeScript/JavaScript, Python, Java, C#, SQL

Frontend: React 18/Native, CSS-in-JS, Tailwind, Webpack, Vite

Backend: Node.js, Flask, Express, Docker, Git, Jest, Playwright, Datadog

Cloud: AWS (Lambda, S3, Bedrock, RDS, SageMaker), PostgreSQL, MySQL

AI/ML: LangChain, OpenAI API, Ollama, TensorFlow, scikit-learn, FAISS, Rekognition, Comprehend

Practices: Agile, TDD, CI/CD, OWASP reviews, cross-team collaboration

WORK EXPERIENCE

AI/ML Engineer — InsiCloud

Jan 2025 – Present

Remote • Chantilly, VA

- Developed AI services for sound-enabled edge devices and automated document processing using agentic pipelines, reducing deployment time by **30%**.
- Supported secure system design for post-quantum cryptography (PQC) initiatives and built ML QA infrastructure, cutting release bugs by **40%**.

Machine Learning Researcher — Capital One

Aug 2022 – Apr 2023

Richmond, VA

- Implemented a real-time security telemetry pipeline (**AWS Lambda, Kinesis, Datadog Vector**) ingesting 10k logs/s, boosting incident visibility by **40%**.
- Tuned anomaly models with synthetic threat generation using **scikit-learn**/XGBoost.
- Drove sprint improvements through agile retrospectives and workflow optimization.

Software Development Intern — Bank of America

Mar 2022 – Oct 2022

Richmond, VA

- Built core features for a React Native literacy app — Flask + SQLite backend, improved UI/UX.
- Implemented CI/CD with **GitHub Actions** — automated builds, linting, and OTA deploys.

PROJECTS

Proposal Scanner

May 2025

Python • Flask • Textract • FAISS • React

- AI pipeline extracted 50+ immigration proposals at **90%** accuracy; **FAISS + LLM** summarizer cut review time **40%**.

Court Deadline Tracker

May 2025

Flask • React • spaCy • Ollama

- **spaCy + Ollama** parse filings and auto-sync deadlines to Google Calendar; indexed PostgreSQL serves 1 000+ records in **< 50 ms**.

Solo Leveling Task App

April 2025

React Native • LangChain • Redis

- Gamified daily-quest tracker delivers AI responses in **< 200 ms** to 2 000 users; **Redis** ensures offline-safe sync.

EDUCATION & CERTIFICATIONS

B.S. Computer Science, Virginia Commonwealth University — Dec 2024

Certifications: AWS Certified AI Practitioner (2025), IBM Big Data 101 (2022), Scrum Fundamentals (2022)