

Aneesh Mussim

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EDUCATION

VIRGINIA COMMONWEALTH
BS IN COMPUTER SCIENCE
Dec 2024 | Richmond, VA

COURSEWORK

UNDERGRADUATE

Algorithm Analysis with Advanced Data Structures
Operating Systems
Database
Machine Learning
User Interface + User Experience
Data Communication + Networking

SKILLS

PROGRAMMING LANGUAGES

Java • Python • JavaScript • C • C# •
PHP • CSS • MySQL

FRAMEWORKS & TOOLS

React • React Native • Flask • Unity •
Android Studio • Docker • AWS Cloud •
UI-Path • Jupyter • Figma • GIT CLI

AI/ML & DATA SCIENCE

TensorFlow • scikit-learn • Pandas •
NumPy • OpenAI API • Synthetic Data
Vault (SDV)

METHODOLOGIES

Agile • User-Centered Design • User
Research

CERTIFICATIONS

TECHNICAL

- Agile Software Development – May 2022
- IBM: Big Data 101 – March 2022
- IBM: Introduction to Cloud – March 2022

LINKS

- GitHub

EXPERIENCE

INSICLOUD | AI/ML INTERN

Jan 2025 - Present | Chantilly, VA

- Developed and deployed **3+ AI/ML models**, improving data accuracy and readability by over **25%** in client applications.
- Curated and optimized datasets of **50,000+** records to ensure high-quality training, robust model generalization, and improved prediction accuracy.
- Built and implemented an intelligent evaluation pipeline using **agentic AI principles**, automating **90%** of model assessment tasks and accelerating decision-making processes.

CAPITAL ONE | CAPSTONE

August 2022 – April 2023 | Richmond, VA

- Built a real-time data processing pipeline using **Datadog Vector** and **AWS (S3, Lambda)**, transforming **10,000+** raw cybersecurity audit logs into enriched events, improving observability and incident response visibility by **40%**.
- Applied **NLP, data mining, and Synthetic Data Vault (SDV)** to simulate and analyze complex cybersecurity threat scenarios using synthetic data derived from real-world patterns
- Collaborated in a 4-person team across the full project lifecycle—from synthetic dataset generation to backend integration and application deployment—delivering results on time for internal review.

BANK OF AMERICA | SOFTWARE DEVELOPMENT INTERN

March 2022 – October 2023 | Richmond, VA

- Developed and launched a cross-platform mobile app using **React Native** to promote financial literacy among college students, ensuring seamless performance across both iOS and Android platforms.
- Led user interviews and usability testing with **20+ students**, gathering feedback to iteratively improve UI/UX and increase user engagement by **30%**.
- Deployed and maintained the app with a focus on responsive design, accessibility compliance, and cross-device compatibility.

PROJECTS

FITNESS TRACKER APP December 2024

- Developed a full-stack fitness tracker using **React (frontend)** and **Flask (backend)**, integrated with **MySQL** for structured data storage and management.
- Implemented secure, **RESTful API** endpoints enabling real-time user interaction, authentication, and activity tracking.
- Containerized the app with **Docker**, improving portability and deployment efficiency across dev/staging environments.

CLOTHING CONSULTING ROBOT July 2024

- Built an automated clothing recommendation tool using **UIPath RPA**, helping users select weather-appropriate outfits based on real-time data.
- Designed browser automation to fetch current weather conditions for any city via dynamic web scraping.
- Integrated scraped data with rule-based decision logic to generate personalized clothing suggestions.
- Streamlined user experience through a fully automated and intuitive interaction flow between input, weather lookup, and recommendations.