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

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

METHODOLOGIES
Agile • 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 implemented AI models to improve data accuracy, readability, and interpretability, enhancing reliability in machine learning applications.
- Created, optimized, and validated datasets to ensure high-quality training and robust model performance.
- Built and deployed an intelligent evaluation system leveraging agentic AI principles, enabling automated analysis and improving decision-making capabilities.

CAPITAL ONE | Capstone
August 2022 – April 2023 | Richmond, VA
- Developed a real-time data processing pipeline using Vector by Datadog and AWS services, converting raw cybersecurity audit logs into enriched, actionable security events, significantly enhancing data visibility and observability.
- Utilized NLP, data mining, and Synthetic Data Vault (SDV) to analyze large datasets, simulate real-world cybersecurity threats, and provide insights into incidents, collaborating with team members to meet project milestones from dataset creation to application deployment.

BANK OF AMERICA | Software Dev Intern
March 2022 – October 2023 | Richmond, VA
- Developed a mobile app for college students to improve financial literacy using React Native
- Conducted user interviews and gathered feedback to enhance the app's user experience
- Deployed the app on both iOS and Android platforms

PROJECTS

FITNESS TRACKER APP December 2024
- Developed a full-stack fitness tracker application utilizing React and Flask, integrated with MySQL for efficient data management.
- Designed RESTful APIs enabling seamless client-server communication and user experience.
- Containerized the application with Docker to ensure scalable development, portability, and streamlined deployment.

CLOTHING CONSULTING ROBOT July 2024
- Developed an automated clothing consulting robot using UI Path that helps users choose appropriate clothing based on the weather.
- Implemented a feature that opens a web browser, searches for the current weather in a given city, and suggests clothing based on the weather conditions.
- Leveraged web scraping and automation techniques to dynamically retrieve weather information and integrate it with decision-making logic for clothing suggestions.
- Enhanced user experience by providing a seamless interaction flow, combining automation with practical user needs.