

Aimable Mugwaneza

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SUMMARY STATEMENT

- Computer Science student passionate about technology and its power to create efficient, scalable solutions
- Strong problem-solver with a knack for optimizing workflows and leading technical training
- Currently expanding expertise in cybersecurity and cloud computing with CompTIA Security+ and AWS certifications

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript

Web Technologies: HTML, CSS, React, Node.js, Flask

Databases: SQLite, SQL, MongoDB

Tools: Git, GitHub, VSS, Microsoft Office Suite

EDUCATION

Towson University, College of Science and Mathematics
Bachelor of Science, Computer Science

Towson, MD
May 2025
GPA: 3.70/4.00

Harford Community College
Associate of Arts with Distinction, General Studies

Bel Air, MD
December 2021
GPA: 3.93/4.00

RELEVANT COURSEWORK

Data Structures & Algorithm Analysis, Software Engineering, Object-Oriented Design, Operating Systems, Database Management Systems, Web-Based Program, Calculus II, Linear Algebra, Data Communication & Networking

PROJECTS EXPERIENCE

TrackExpense – Full Stack Expense Tracker (In Progress)

github.com/aimablM/TrackExpenseApp

- Developing a full-stack web app using Python/Flask backend with HTML/CSS frontend and secure user authentication and SQLite database for data management
- Building core features including expense logging, budget planning, and interactive data visualization using Matplotlib and RESTful API design principles
- Implementing quality through modular architecture, Git version control, and performance optimization for scalability and responsiveness
- Creating intuitive UI/UX with mobile responsiveness and interactive charts for comprehensive expense analysis and budget tracking

SystemAnalytics - Operating System Resource Monitor

github.com/aimablM/aimable-COSC439-ResourceMonitorApp

- Developed a Python application that monitors CPU, memory, disk I/O, and network metrics in real-time, implementing multi-threading for efficient performance tracking.
- Created an SQLite database backend for persistent data storage, enabling historical system analysis and visualization
- Built an interactive dashboard with data visualization tools to display process management, memory usage, and system performance metrics
- Applied core OS principles including concurrent programming, error handling, and resource monitoring

Personal Portfolio Website

github.com/aimablM/aimable-myportfolioapp

- Designed and developed a responsive portfolio using React and Node.js, following modern UI/UX principles for an engaging user experience
- Utilized component-based architecture for maintainable, scalable code and efficient project management.
- Integrated responsive design to ensure seamless performance across devices, showcasing projects and skills effectively.
- Implemented a continuous integration and deployment pipeline, reducing deployment times by 50% and ensuring regular updates with minimal downtime.

ADDITIONAL EXPERIENCE

Amazon

Aberdeen, MD

Returns Learning Ambassador

December 2020 – June 2024

- Led comprehensive technical onboarding programs for new hires, delivering hands-on training for company software tools and procedures
- Optimized return processing workflows, increasing operational efficiency by 15% through process improvements and training initiatives
- Managed cross-functional team logistics, coordinating resources, schedules, and priorities to ensure efficient operations and timely delivery

Target

Cockeysville, MD

Fulfillment Associate

December 2019 – May 2020

- Efficiently coordinated and processed customer pickup orders, ensuring accuracy and timely availability
- Provided excellent customer service by assisting shoppers in locating items, navigating the store, and addressing inquiries
- Adapted to various roles as needed, demonstrating flexibility, problem-solving skills, and a strong work ethic in a fast-paced retail environment

CERTIFICATIONS

CompTIA Security+ (In Progress)

Expected March 2025

AWS Certified Cloud Practitioner (In Progress)

Expected May 2025