RICHARD MALIYETU

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EDUCATION

University of Maryland Baltimore County   **May 2025**
Bachelor of Science, Computer Science   *Baltimore, MD*
- **GPA:** 3.8
- **Achievements:** 3x Dean's List Honor recipient
- **Coursework:** Introduction to Object-Oriented Programming, Data Structures, Design & Analysis of Algorithms, Software Engineering, Database management Systems, Introduction to Artificial Intelligence, Operating systems

RELEVANT PROJECTS

UMBC Essentials Inventory App | Ongoing
- Developed a web app to streamline campus food inventory using React, FastAPI, and MariaDB.
- Implemented Role-Based Access Control (RBAC) for secure admin/student access and reduced manual tracking.
- Ensuring scalability, security, and efficiency in an Agile team using Git and sprint-based workflows.

Editor App
- Designed a scalable SaaS platform for video/image editing with Next.js, Prisma, and NeonDB.
- Optimized database queries and caching for seamless multi-device accessibility.
- Implemented secure authentication via Clerk, improving user privacy and access control.

Movie Player
- Built a C++ movie player with a dynamic playlist system using templated linked lists.
- Implemented sorting, filtering, and playlist management for an intuitive user experience.
- Optimized memory usage with dynamic allocation and operator overloading, improving performance.

Airline Manager
- Created a route planning tool for a new airline using C++ and custom linked list structures.
- Implemented core components including Airport, Route, and Navigator classes to manage data and user interaction.
- Enabled route creation, reversal, distance calculation, and file-based input through a menu-driven interface.

Custom Linux Kernel Module
- Built a custom kernel module for Linux as part of an Operating Systems course.
- Modified process scheduling behavior to explore context switching and kernel internals.
- Gained hands-on experience with system calls, kernel debugging, and OS-level resource management.

Note App
- Developed a real-time note management system using React and Appwrite subscriptions.
- Implemented smooth CRUD operations with React hooks, enhancing user efficiency.
- Styled with Tailwind CSS, improving UI responsiveness and experience.

TECHNICAL SKILLS

- C++, Python, Java, JavaScript, HTML5, CSS3, SQL, React, Tailwind CSS, MariaDB, Version control (Git), Agile Methodology, Linux

WORK EXPERIENCE

BiiTech Solutions   **Feb 2025 - Present**
Web Developer Intern   *Baltimore, MD*
- Enhanced website functionality and integrated resources, improving performance.
- Optimized UI/UX and ensured accessibility compliance for better user experience.
- Assisted in debugging, performance optimization, and traffic analysis with Google Analytics.
- Maintained backend databases and ensured data integrity and security.

Uber & DoorDash   **2023 - Present**
Part-Time Driver   *Baltimore, MD*
- Delivered 1,500+ orders with a 4.5+ rating by managing time, routes, and customer expectations under pressure.
- Built strong habits in independent problem-solving, consistency, and responsiveness.

Panda Express   **2020 - 2023**
Kitchen Team Member   *Baltimore, MD*
- Streamlined team workflows and assisted with inventory, prep, and compliance in a fast-paced environment.
- Practiced task prioritization, collaboration, and process efficiency.

Barnes & Noble   **2017 - 2020**
Customer Service Associate   *CCBC Essex, MD*
- Supported inventory systems, order processing, and customer interaction to improve store experience.
- Strengthened attention to detail, communication, and user-focused thinking.