

RICHARD MALIYETU

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SUMMARY

Recent Computer Science graduate with practical experience in full-stack software development and a strong passion for building scalable, user-focused applications. Proficient in modern programming languages and frameworks, including C++, Python, Java, JavaScript, React, Tailwind CSS, HTML5, CSS3, and SQL. Experienced in Agile workflows, Git-based version control, and development within Linux environments. Eager to contribute to innovative engineering or IT teams, with a strong interest in software development, systems integration, technical support, or infrastructure roles. Always looking to expand my skill set and grow within dynamic, technology-driven environments.

EDUCATION

University of Maryland Baltimore County

Bachelor of Science, Computer Science (GPA: 3.6)

2023 - 2025

Baltimore, MD

- **Coursework:** Introduction to Object-Oriented Programming (C++), Data Structures, Design & Analysis of Algorithms, Software Engineering, Database management Systems, Introduction to Artificial Intelligence, Operating systems

Community College of Baltimore County

Associate of Science, Computer Science (GPA: 3.1)

2021 - 2023

Baltimore, MD

- **Coursework:** Introduction to Object-Oriented Programming (Java), Calculus, Linear Algebra, Physics, Discrete Mathematics

RECENT PROJECTS

UMBC Essentials Inventory App

- 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

Uber & DoorDash | Part-Time Delivery Driver

2023 - Present

- 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.

UMBC Student Services | Front Desk Assistant

2023 - 2025

- Greeted students and visitors, managed phone lines, and responded to common inquiries.
- Scheduled appointments, maintained digital records, and supported event preparation.
- Demonstrated professionalism, discretion, and clarity in student-facing communication.

Panda Express | Kitchen Team Member

2021 - 2023

- Streamlined team workflows and assisted with inventory, prep, and compliance in a fast-paced environment.
- Practiced task prioritization, collaboration, and process efficiency.

Barnes & Noble | Customer Service Associate

2019 - 2021

- Supported inventory systems, order processing, and customer interaction to improve store experience.
- Strengthened attention to detail, communication, and user-focused thinking.

YMCA New Horizons Program | Summer Internships

2017 - 2019

- Developed leadership skills in a dynamic and team-oriented setting.
- Practiced time management in a structured and fast-paced environment.
- Built a strong work ethic with a focus on accountability and reliability.