RICHARD MALIYETU

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EDUCATION

University of Maryland, Baltimore County (UMBC) | Bachelor of Science in Computer Science
GPA: 3.8/4.0 | Graduation: May 2025

TECHNICAL SKILLS

- Programming Languages: C++, Python, JavaScript, SQL, Typescript
- Frameworks & Tools: React.js, Node.js, Prisma, Next.js, Tailwind CSS, clerk
- Technologies: HTML5, CSS3, MongoDB, NeonDB

RELEVANT PROJECTS

Path Finder Web App:

- Developed a dynamic pathfinding visualization tool using React, allowing real-time grid creation and obstacle placement.
- Implemented pathfinding algorithms with live animations and real-time user feedback on success or failure.
- Utilized TypeScript, React.js, Next.js and Tailwind CSS to ensure a responsive and interactive User Interface.

Editing Web App:

- Developed a scalable SaaS application using Next.js, Prisma, NeonDB, Cloudinary, Clerk, and Daisy UI, enabling users to easily upload and edit videos and images.
- Implemented secure user authentication, efficient database management, and a fully responsive UI, ensuring seamless performance across devices and maintaining scalability for future growth.

Note Web App:

- Developed a React-based note management app with real-time updates using Appwrite subscriptions for seamless syncing.
- Designed CRUD operations (Create, Read, Update, Delete) with smooth animations and dynamic UI updates for a modern, efficient experience.
- Leveraged React hooks for optimized state management and used Tailwind CSS for a clean, responsive design.

Currency Converter Web App:

- Created a currency converter app using React and integrated real-time exchange rates through a RESTful API.
- Enabled currency swapping, dynamic dropdowns, and real-time updates for an intuitive, user-friendly experience.
- Employed Tailwind CSS for UI styling, ensuring a clean and responsive design with easy navigation.

Password Generator Web App:

- Developed a secure password generator app in React, offering customizable criteria for password generation (length, characters, etc.).
- Integrated clip board copy functionality for quick and secure password transfer with a single click.
- Designed a user-centric interface using React and Tailwind CSS, focusing on usability and visual appeal.

Movie Player Project:

- Created a movie player with a playlist system, leveraging a templated linked list for efficient dynamic data handling.
- Implemented features such as sorting, adding movies to playlists, and displaying movie details based on various criteria.
- Utilized dynamic memory allocation and operator overloading in C++ for efficient resource management and enhanced user experience.