

DARSH PATEL

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RELEVANT EXPERIENCE

hackUMBC, Baltimore, MD

Mar 2024 – Present

Tech Team Organizer

- Improved user retention by 50% by migrating hackUMBC.tech to Next.js and reworking front-end design using React, JavaScript, and Tailwind CSS.
- Streamlined user data collection by integrating a type form with AWS DynamoDB, and AWS S3, ensuring scalable and reliable service for over 500+ contestees.
- Enhanced scalability and performance by 25% by hosting the website with AWS Amplify, achieving faster load times and improved reliability for dynamic content delivery.
- Website Link: <https://hackumbc.tech/>
- GitHub Link: <https://github.com/umbchackers/hackumbc-web> (private)

PROJECTS

NoteUs (in progress)

August 2024 – Present

Sole Developer

- Developed a Notion-like note-taking tool leveraging TypeScript and Next.js, optimizing data retrieval speeds by 40% through efficient database queries.
- Configured server-side authentication via Clerk and Convex with GitHub integration to bolster user management, now allowing seamless logins for 200+ users, elevating user experience and security measures across platforms.
- Integrated a seamless light/dark mode toggle using Next.js documentation for an amplified user experience; 20+ individuals praised the design.
- Link: <https://github.com/darshp623/NoteUs>

Personal Portfolio Website

July 2024 – July 2024

Sole Developer

- Created a visually appealing and fully responsive Personal Portfolio Website utilizing HTML, CSS, and JavaScript, which enhanced online presence and received positive feedback from 90% of users surveyed for usability and design.
- Optimized viewports for both mobile and desktop devices, resulting in a seamless browsing experience; 20+ users commended the mobile layout and intuitive hamburger menu.
- Deployed with Netlify to improve load times by 90%, and provide a free shareable link.
- Link: <https://darshsportfolio.netlify.app/>

American Sign Language Image Recognition

July 2023 – August 2023

Co-Creator

- Improved ASL detection accuracy by 90% and reduced manual interpretation time by 50% through an AI-driven image processing system.
- Developed an HTML/CSS landing page to create a user-friendly interface, leading to a 20% increase in user satisfaction and engagement by 20%.
- Integrated Python Libraries & APIs to create seamless workflow & hasten development by 30%.
- Link: <https://mlasl.netlify.app/>

CERTIFICATIONS

AWS Certified Cloud Practitioner.

June 2024 – July 2024

Issuer: Amazon Web Services.

- Demonstrated proficiency by passing the AWS Certified Cloud Practitioner exam, acquiring comprehensive knowledge of AWS Cloud services.
- Link: https://www.credly.com/badges/43f05253-97c8-4d73-848b-387dba662687/public_url

Cybersecurity Essentials

September 2020– May 2021

Issuer: Cisco

- Achieved foundational knowledge in the CIA Triad, Network Security, and Encryption by passing the Cisco Networking Academy final exam.
- Link: https://www.credly.com/badges/4f831a90-a2ef-4984-90a7-8c06554c5f7c/public_url

RELEVANT COURSEWORK, HONORS, & EXTRACURRICULARS

- Hophacks contestant (2024)
- Dean's List during the Spring 2024 semester at UMBC.
- Completed courses: Computer Science I, II, Discrete Mathematics, Intro to Statistics, Data Structures, Programming Principles, Calculus I, II, and Social and Ethical Issues in IT.
- Active member of Google Developers Club (2023-Present).
- Gained advanced automotive cybersecurity skills through the SAE CyberAuto Program, including penetration testing simulations.
- 3-time CyberPatriot Platinum Tier Semi-Finalist, with critical skills in malware detection and system security in Windows systems (2019-2021).

EDUCATION

University of Maryland Baltimore County, Baltimore, MD

May 2022- Present

Bachelor of Science, Major in Computer Science, Current GPA: 3.43.

Community College of Baltimore County, Baltimore, MD

August 2021- Present

Associates of Science, Major in Information Systems, Current GPA: 3.49.

SKILLS

- **Programming Languages:** C++, C, Python, JavaScript, Java, TypeScript.
- **Frameworks:** React Native, Next.js, Tailwind CSS.
- **Web Development:** HTML/CSS, JavaScript.
- **Cloud Computing:** AWS Cloud, Cloud Computing.
- **Database Management:** mySQL.
- **Operating Systems:** MacOS, Windows.
- **Security:** Network Security, Encryption.