

DARSH PATEL

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EDUCATION

University of Maryland Baltimore County, Baltimore, MD

May 2022- May 2026

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

SKILLS

- **Languages:** C++, C, Python, JavaScript, Java, TypeScript.
- **Frameworks:** React, Next.js, Tailwind CSS.
- **Web Development:** HTML/CSS, JavaScript, AWS Amplify.
- **Cloud Computing:** AWS Cloud, Cloud Computing.
- **Database Management:** mySQL, AWS DynamoDB.
- **Security:** Network Security, Encryption.

EXPERIENCE

CHOYCES LLC, Remote, Online

Sep 2024 – Present

Web Design Intern

- Designing and managing CHOYCES website with React, JavaScript, and HTML/CSS, and integrating payment systems like PayPal and Square with Python, aiming to improve transactional efficiency by 30%.
- Developing a learning app using TypeScript, React Native, and Python, aiming to enhance learning retention by 35% through interactive and user-friendly design features.

DAMS Research Lab, Baltimore, MD

Sep 2024 – Present

Research Assistant & Web Developer

- Research Assistant to Professor Roberto Yus at the UMBC DAMS Research Group.
- Implementing website using Next.js, with React, JavaScript, and HTML/CSS, for presenting research findings for GenAIPAbench paper project, for parsing of thousands of Privacy Policies' feedback to multiple LLM's in order to test LLM processing capabilities.
- Website Link: <https://damslabumbc.github.io/members/>
- GitHub Link: <https://github.com/darshp623/dams-research-proj>

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.
- Website Link: <https://hackumbc.tech/>
- GitHub Link: <https://github.com/umbchackers/hackumbc-web>

PROJECTS

NoteUs

August 2024 – Present

Sole Developer

- Developing 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, allowing seamless login for 200+ users, elevating user experience and security across platforms.
- GitHub 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.
- Website Link: <https://darshsportfolio.netlify.app/>
- GitHub Link: <https://github.com/darshp623/personal-website>

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 trained with machine learning.
- Developed an HTML/CSS landing page to create a user-friendly interface, leading to a 20% increase in user satisfaction and engagement by 20%.
- Link: <https://mlasl.netlify.app/>
- GitHub Link: https://github.com/darshp623/ML_SignLanguage

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

HONORS & EXTRACURRICULARS

- Hophacks 2024 Contestant.
- Active Member of Google Developers Club (2023-Present).
- Dean's List during the Spring 2024 semester at UMBC.
- Completion of SAE CyberAuto Program.
- 3 time CyberPatriot Platinum Tier Semi-Finalist.