Mehdi Hussain

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EDUCATION

University of California, Berkeley   **Anticipated, June 2027**
Electrical Engineering and Computer Sciences   GPA: N/A

Green Level High School   **June 2024**
Cary, North Carolina   GPA: 4.62

OBJECTIVE

Passionate and committed student seeking to leverage his experience in full-stack development, project leadership, and innovative problem-solving to contribute to impactful projects and continue growing in the field of computer science to solve real-world problems.

TECHNICAL SKILLS

- Certifications: **Microsoft Technology Associate Python Certified**, Cambridge Certification Authority Swift Certified
- Programming/Developer Tools: Swift, **Python 2 & 3**, **Java**, Flutter, **Javascript/Node JS**, C++, C#, **Git**, ZSH/Bash, HTML5, CSS, MySQL, MongoDB, React/ReactNative, **AWS**, GCP, Microsoft Azure

AWARDS

- International Science & Engineering Fair 2023 Finalist
- North Carolina Science & Engineering Fair 1st Place Winner 2023
- American Association for the Advancement of Science Conference Finalist 2023
- NC Student Academy of Science 1st Place Winner 2023
- North Carolina Science Olympiad States 4th, 6th, and 8th place winner
- NC DECA 2nd Place Regionals Winner 2021 & Top Ten Applied Marketing Math Winner 2023
- Apple Swift Student Challenge Winner 2021
- Presidential Service Award - Gold 2023

PROJECTS

Green Level Cross Country Website   **Sept 2022 - Present**
- Developing a website with the Cross Country team and Green Level Computer Science department that displays students' times over multiple meets, Implemented a database for the website and designed the website with Python, Flask, HTML, CSS, and MySQL.

IABAT iOS App & Website   **Jun 2017 - Present**
- Built an app for the Islamic Ahlulbayt Association of the Triangle that offered Prayer Times, Events, and Finances in a convenient way to end users. Built using Swift, PHP, & MySQL
- Redesigned and rebuilt a website that offered a renewed UI & UX experience for users finding events, prayer times, and offered integration with the mobile app.

Inexpensive glasses for the visually impaired and blind using AI and OpenCV   **Dec 2022 - May 2023**
- Designed, built, and presented a project using the Raspberry Pi, Python, AI/ML technologies, and the OpenCV library in order to help the blind & visually impaired be able to detect objects through auditory means.
- Presented research at various science fairs and placed first at NCSEF, NCSAS, and became a finalist for International Science and Engineering Fair 2023 in Dallas, TX.

ACTIVITIES/ LEADERSHIP EXPERIENCE

Islamic Ahlulbayt Association of the Triangle | Youth Advisor Board Member   **June 2021 - Present**
- Advised board on digital services and direction as a Youth Advisor, Developed and Designed Mobile & Web Application for Prayer Times, Events, and Finances, and Directed, Filmed, and Edited for the IABAT NC Youtube Channel
- Gained 300+ Volunteer hours

Green Level Mathematics Club | Co-President   **Aug 2022 – June 2023**
- Held bi-weekly club meetings discussing math, hosting activities, workshops, and competitions, and cultivated a vibrant community of students passionate about mathematics.

NC Hack | Co-Lead   **Jun 2020 - June 2022**
- Hosted Seasonal Hackathons encouraging students all across the globe to compete in coding competitions for prizes.
- Designed and built a website using Node JS, HTML & CSS in order to create an automated system for hosting competitions, awarding medals and prizes, and integration with the Discord platform.