Mehdi Hussain

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EDUCATION

University of California, Berkeley — May 2027
Bachelors of Science in Electrical Engineering and Computer Science — *GPA:* 3.6

Relevant Coursework: Structure and Interpretation of Computer Programs (CS 61A), Data Structures (CS61B), Designing Information Devices and Systems (EECS 16A/B)

WORK EXPERIENCE

Finabl — Berkeley, CA
Co-Founder & Chief Executive Officer — June 2024 – Present
- Leading a team of engineers to create an innovative fintech investment education platform designed to empower college students with financial literacy.
- Integrated an AI-powered tutor that creates personalized learning paths covering basics to advanced investment strategies through interactive lessons and market simulations.
- Technologies Used: Next JS, Git, Javascript, AI, OpenAI API, Websockets, REST API's.

Islamic Ahlulbayt Association of the Triangle — Durham, NC
Youth Advisor & Board Member — June 2021 – June 2024
- Organized and Led IABAT Youtube Channel, growing to 50k+ hours of viewership.
- Designed and Created Mobile App & Website and grew it to over 1k members.
- Coordinated $20k+ in audiovisual and IT enterprise technical equipment
- Organized events with over 300+ attendees.
- Technologies Used: PHP, Javascript, Swift, MySQL, MongoDB.

PROJECTS

Inexpensive EEG-Controlled Prosthetic Arm using AI and ML — Durham, NC
Research Member — June 2023 – June 2024
- Worked alongside Dr. Megan Madonna and Duke University undergraduates to develop an EEG prosthetic arm controlled using AI and EEG sensors with haptic feedback using human-centered engineering design processes with the goal of advancing the UN Global Goal of Good Health.
- Presented work during Duke University's Ignite Maker's Demo Day, and won Top Prototype of 2024
- Technologies Used: EEG Technology, Arduino/Microcontrollers, Tensorflow, Python.

Inexpensive glasses for the visually impaired and blind using AI and OpenCV — Cary, NC
Research Member — December 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.
- Technologies Used: Raspberry Pi, OpenCV, PyTesseract OCR, Python, CAD, Machine Learning.

SKILLS

Programming Languages: Swift/SwiftUI, Python, Java, Javascript, TypeScript, Node JS, HTML/CSS, PHP, SQL, Flutter, React/React Native, Next JS, C++.

Frameworks & Tools: Amazon Web Services (AWS), Microsoft Azure, Google GCP, MongoDB, Git, Github, TensorFlow, OpenAI, Tailwind, Figma.