

Vraj Shah

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Education

The Ohio State University

Bachelor of Science, Computer Science & Engineering, Columbus, OH

Expected Graduation: May 2025

Experiences and Leadership

Chief Technology Officer

Mindful Diagnosis, Columbus, OH

December 2022 – Present

- Proposed an innovative implicit bias software platform for a startup, aiming to empower physicians to assess and improve their awareness of biased treatments through interactive modules and resources.
- Accepted into two selective business programs at The Ohio State University, expanding expertise in entrepreneurship and startup development.
- Received funding from The Ohio State University to further develop our startup.
- In charge of software development of the platform, while leading a team of coders and providing guidance throughout the process.

Participant

National Cyber League

October 2018 – Present

- A cybersecurity Capture The Flag (CTF) competition, honing skills in areas such as log analysis, binary exploitation, open-source intelligence, cryptography, and more.
- Demonstrated impressive performance by achieving a commendable placement of 380th out of 5380 individuals from diverse colleges.

Research Assistant

Network-Based Computing Lab, Columbus, OH

June 2022 – August 2022

- Collaborated on updating the upcoming conference website, gaining proficiency in GitHub commands for version control. Developed fluency in HTML and CSS to enhance the website's design and functionality.
- Additionally, worked with Linux commands to configure network protocols for the lab's hardware infrastructure.

Projects and Awards

Autonomous Drone Navigation System

Personal Project, Columbus, OH

January 2024 – Present

- Developed code utilizing Three.js and the WebGL API to propel an autonomous drone system, providing precise navigation and enabling seamless, real-time rendering of captivating 3D landscapes.

Real-time Gym Application

Personal Project, Columbus, OH

March 2024 – Present

- Created a user-friendly gym attendance app using React Native that pulls real-time data from Ohio State gym websites using Selenium, offering users a hassle-free way to check occupancy levels and facility details, improving their gym experience.

Startup Pitch Competition

Best of Student Startups, Columbus, OH

November 2023 - Present

- Won \$1500 in a competitive pitch for Mindful Diagnosis, securing mentorship and strategic guidance for the Presidential Buckeye Accelerator (PBA), with potential for a \$50k investment.

Portfolio Website – shahvraj26.github.io

Personal Project

June 2021 - Present

- Designing and maintaining the website utilizing HTML, CSS, and JavaScript, showcasing a range of projects and skills. Regularly updating the website to reflect latest accomplishments.

Participant

HackOH/IO Hackathon, Columbus, OH

October 2022

- Developed a safety application within a 24-hour timeframe that utilizes location tracking to identify and display the nearest emergency blue light from the user's current location.
- Secured 2nd place out of 200 competing teams.

Skills

Speaking Languages: English (Native Language), Gujarati (Native Language), Hindi (Secondary Language).

Programming Languages: Java, C++, C, x86-64 Assembly, Python, TypeScript, React, JavaScript (ThreeJS, VueJS, NextJS).

Other: Linux, HTML5, CSS, Git, Microsoft Suite, SQL, Bash, SolidWorks, Visual Studio, Figma, Twilio, WebGL, OpenCV, Tailwind CSS, Mux.