

Shayan Manoharan

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EDUCATION

The Ohio State University

Columbus, Ohio

Bachelor of Science in Computer Science and Engineering / GPA: 3.9/4.0

Expected 2026-2027

- **Relevant Coursework:** Data Structures and Algorithms, Software Development and Design, Software Components, Discrete Structures, Programming Java, Low-Level Programming, Statistics for Engineers

SKILLS

Programming: Python, JavaScript, Java, C, C++, SQL, XML, MATLAB, R

Frameworks/Technologies: React, Vue.js, HTML, CSS, Tailwind CSS, Node.js, Three.js, JSON, Django, Pandas

Developer Tools: Git, Visual Studio Code, Linux, JUnit, SVN, Eclipse

Soft Skills: Creative Problem-Solving, Communication, Adaptability, Critical Thinking

WORK EXPERIENCE

Lighthouse Avionics

Columbus, Ohio

Software Development Intern

May 2024 – August 2024

- Developed an API-integrated query page, accelerating detection and classification by 84% using Vue.js
- Engineered an advanced Temperature Control system incorporating 4 distinct heating modes to output real-time critical temperature
- Crafted a highly interactive UI leveraging WebSocket and secure CSRF token handling for low-latency data communication
- Built a dynamic dashboard for real-time power monitoring with concurrent voltage configuration and device querying

PROJECT EXPERIENCE

Personal Portfolio Website

Columbus, Ohio

Web Developer / React, JavaScript, Tailwind CSS, Three.js, Visual Studio Code.

October 2024 – November 2024

- Built a server-side rendering static website showcasing my projects, skills, and experiences using React effectively
- Enhanced screen-size responsiveness using Tailwind CSS grid systems for seamless compatibility across all devices
- Integrated interactive 3D elements using Three.js to create an engaging and visually dynamic user experience

PharmaGo

Columbus, Ohio

Software Engineer / React Native, Expo, Figma, Visual Studio Code, Git

October 2024

- Developed a cross-platform touchscreen application to expand market reach by 25%, addressing the pharmaceutical delivery needs of individuals
- Utilized React Native and Google Maps API kit to create a user-friendly interface with large buttons and clear directions to help the elderly navigate unfamiliar technology with ease
- Optimized trust and certification system for secure prescription drug delivery

Streamline

Columbus, Ohio

Software Engineer / Java, XML, HTML, Eclipse

January 2023 – May 2023

- Developed a Java application to aggregate multiple RSS 2.0 feeds, parsing and consolidating the data into a single, dynamically generated HTML output.
- Utilized XML parsing to process each RSS feed URL generating individual HTML pages with detailed feed information

AWARDS AND ACTIVITIES

Dean's List: Ohio State College of Engineering.

Fall 2023 – Present

Development and Operations (DEV) club - Software Engineer

August 2023 – Present

Big Data Analytics Association

November 2023 – Present

Artificial Intelligence (AI) club

November 2023 – Present

Minorities in Technology (MIT) club

November 2023 – Present