

# Shashank Raghuraj

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<https://github.com/ShashankRaghuraj>

## Education

### Ohio State University,

August 2022 – May 2025

Bachelors in Computer Science and Engineering, Dean's List

Columbus, OH

**Relevant Coursework:** Software Development and Design, Data Structures and Algorithms, and Database Systems

## Work Experience

### Parker Hannifin

May 2023 – August 2023

Software Engineering Intern

Mayfield Heights, OH

- Doubled ticket resolution speed through the creation of an Open AI Chatbot with Python, streamlining customer support, resulting in a 40% increase in customer retention rates.
- Informed crucial decisions such as functionality and design of the Parker Tracking System and helped in the development of pop-up notifications using Flutter.
- Optimized Key Performance Indicators through parallelized web scraping using Python, leading to a 30% improvement in user satisfaction scores.

### Hopscotch Technologies

April 2022 – May 2022

Data Science Intern

Remote

- Enhanced company efficiency by 50% through building Excel macros for the "Project of the Week" initiative, highlighting crucial patterns and trends.

### University of Texas at Dallas

June 2021 – August 2021

AI/ML Researcher

Dallas, TX

- Researched and evaluated diverse chatbot models, enhancing university knowledge on emerging technologies.

## Technical Projects

### AI-Enhanced Patient Assessment Tool | C#, SQL, OpenCV, Windows Forms Application |

- Developed an AI-powered desktop application streamlining patient assessments for doctors through symptom detection, self-made x-ray models for tuberculosis diagnosis, and voice automation.

### Politician Chatbot | Python, GPT API, HTML |

- Developed an AI-powered software application using GPT-3 and Natural Language Processing to emulate politician speech patterns and behaviors.

### Wordle Robot | Python, Raspberry Pi, TCP, HTML |

- Re-developed Wordle and improved user-program interaction via TCP connectivity from software to Raspberry Pi.

### API Integrated Smart Home System | Python, Raspberry Pi |

- Developed a smart home system for control of lights and other electronics throughout the house.
- Utilized APIs for current weather updates, an optimized search feature, and for sourcing the news.

## Awards and Recognition

- Elected as media chair for the Ohio State's Chess Club **December 2023**
- Placed 4<sup>th</sup> at HackOhio, Ohio State's Premier College Hackathon **October 2022**
- Conducted the first global hackathon for high school students in Ohio, OHacksIO **September 2021**
- Placed 1<sup>st</sup> at the Northeast Ohio Science Fair in the Mathematics/Computer Science category **March 2022**

## Skills

**Languages:** Java, Python, C#, C++, JavaScript, Typescript, HTML, CSS, NLP, Power BI

**Frameworks:** React, Express.js, Flask, Junit, OpenCV, and Flutter

**Interests:** TV Show Scriptwriting, Chess, Basketball, Hackathons, and Rock Climbing.