

SHASHANK RAGHURAJ

440-796-7175 | shashankraghuraj12@gmail.com | [linkedin.com/in/shashank-raghuraj](https://www.linkedin.com/in/shashank-raghuraj) | [shashankraghuraj.github.io](https://github.com/shashankraghuraj)

EDUCATION

Ohio State University

Columbus, OH

B.S. in Computer Science Engineering, Artificial Intelligence Specialization

Graduation: December 2025

Relevant Coursework: Software Development and Design, Data Structures and Algorithms, Database Management Systems, Introduction to Artificial Intelligence, Operating Systems, Software Engineering Techniques.

EXPERIENCE

Cloud Engineering Intern

June 2024 – August 2024

Federal Reserve Bank | Tools and Languages: Python, AWS GovCloud, Terraform, GitLab

Cleveland, OH

- Automated rehydration and validation testing processes using **Terraform**, **reducing developers' workload by 24%** and setting a precedent for all 12 branches for **quality cloud development**.
- Developed an automated license report generation system with **Python** to streamline data extraction from Okta, aiming to **enhance efficiency across all 12 reserve banks** and **reduce manual processing time by 30%**.
- Transitioned on-premises software to **AWS GovCloud**, gaining valuable development skills in **Puppet** and **Python**.

Software Engineering Intern

May 2023 – August 2023

Parker Hannifin | Tools and Languages: Python, Java, C#, PowerBI, Github

Mayfield Heights, OH

- Doubled ticket resolution speed through the creation of an **Open AI Chatbot with Python**, streamlining customer support and **resulting in a 40% increase in customer retention rates**.
- Engineered the development of **pop-up notifications using Flutter**, enhancing user interaction and engagement within the app, leading to a **25% increase in user retention** and a **15% rise in in-app interactions**.
- Optimized Key Performance Indicators (KPIs) through event scraping using **Python**, leading to a **30% improvement in user satisfaction scores**.
- Led a customer feedback initiative to identify product preferences, integrating key features into the Parker Tracking System, resulting in a **15% increase in customer base**.

Data Science Intern

April 2022 – May 2022

Hopscotch Technologies | Tools and Languages: Python, SQL

Remote

- Boosted company efficiency by **25%** through developing Excel macros for the 'Project of the Week' initiative, then **advanced the process by automating data retrieval and analysis with SQL and Python** for deeper insights.
- Delivered **comprehensive data reports to senior management** in weekly team meetings, showcasing adept communication and data storytelling skills.

Artificial Intelligence Research Intern

June 2021 – August 2021

University of Texas At Dallas | Tools and Languages: Python, GitLab

Dallas, TX

- Conducted comprehensive **research on 10+ chatbot models**, evaluating real-world applications and **contributing to a 25% increase in the University's understanding** of emerging technologies across multiple industries.

PROJECTS

Rock Climbing Growth & Community Platform | Next.js, React.js, CSS, Firebase, Git |

- Developed a comprehensive platform for rock climbers, incorporating features such as **personalized journaling**, **collaborative problem-solving forums**, and an **AI-driven difficulty assessment tool**.
- Utilized **front-end technologies (React.js, HTML/CSS)** and **back-end solutions (Firebase for real-time data, Next.js for server-side rendering)** to build a product targeting **over 6 million climbers worldwide**.

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

- Engineered an **AI-powered desktop application** streamlining patient assessments through **symptom detection**, **tuberculosis diagnosis**, and **voice automation**, effectively **saving more than 50% of doctors' workday**.

LEADERSHIP AND ACTIVITIES

Student for CodePath's Advanced Technical Interview Prep Course

September 2024 – November 2024

Marketing and Communications Director of OHI/O, Ohio State's Hackathon Program

May 2024 – Present

Media and Outreach Director for Ohio State's Chess Club

January 2024 – Present

TECHNICAL SKILLS

Languages: Java, Python, C, C#, SQL (Postgres), JavaScript, HTML, CSS, Typescript, Power BI, x84-64 Assembly

Developer Tools: Git, UIPath, Snowflake, AWS, Splunk, Jira, Azure DevOps, Terraform, Docker, Kubernetes

Skills: Test-Driven Development (TDD), Continuous Integration/Continuous Deployment (CI/CD), Cloud Development

Interests: Script Writing, Basketball, Hackathons, Rock Climbing, Open Source Contribution, Community Outreach