SHASHANK RAGHURAJ

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EDUCATION

Ohio State University **Columbus, OH**

Bachelor of Science in Computer Science Engineering, Dean's List *Graduation: December 2025*

Relevant Coursework: *Software Development and Design, Data Structures and Algorithms, Database Management Systems, Introduction to Artificial Intelligence, Introduction to Operating Systems, Low-Level Programming.*

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 at the Federal Reserve by 24%, and setting a precedent for all 12 branches for quality cloud development.
- Developed an automated license report generation system 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 Google Cloud, Azure, and AWS GovCloud, ensuring seamless data migration.

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, 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*

- Enhanced company efficiency by 25% through building Excel macros for the "Project of the Week" initiative, highlighting crucial patterns and trends.
- 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 | *NextJS, ReactJS, CSS, Firebase, Git* |

- Designed an all-in-one platform for rock climbers, seamlessly integrating journaling, collaborative problem-solving, and AI-powered difficulty assessment, poised to impact 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 for doctors through symptom detection, tuberculosis diagnosis, and voice automation, effectively saving more than 50% of their workday.

LEADERSHIP, ACTIVITIES, AND AWARDS

Incoming Student for CodePath's Advanced Tech Interview Prep Course **September 2024 – November 2024**

Marketing and Communications lead @ OHI/O, Ohio State's Hackathon Program **May 2024 – Present**

Media and Outreach lead @ Ohio State's Chess Club **January 2024 – Present**

4th place @ HackOhio, Ohio State's Hackathon **October 2022**

TECHNICAL SKILLS

Languages: Java, Python, C, C#, SQL (Postgres), JavaScript, HTML, CSS, Typescript, Power BI, x84-64 Assembly
Developer Tools: Git, UIPath, Google Cloud Platform, AWS Cloud, Azure Cloud, Terraform, Docker, Kubernetes
Skills: Test-Driven Development (TDD), Continuous Integration/Continuous Deployment (CI/CD) Cloud Development, Marketing, Client-Interviewing, DevOps, Natural Language Processing (NLP), Cybersecurity, API Development,
Interests: Script Writing, Basketball, Hackathons, Rock Climbing, Open Source Contribution, Community Outreach