SHASHANK RAGHURAJ

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EDUCATION

Ohio State University   **Columbus, OH**
Bachelor of Science in Computer Science Engineering, Dean's List   ***August 2022 - 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 – Present**
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* |
- Developed an AI difficulty assessment and logging tool for rock climbers, poised to impact over 6 million climbers.

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 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 at HackOhio, Ohio State's Hackathon	**October 2022**

TECHNICAL SKILLS

Languages: Java, Python, C, C#, SQL (Postgres), JavaScript, HTML, CSS, Typescript, Power BI, x84 Assembly
Developer Tools: Git, UIPath, Google Cloud Platform, AWS Cloud, Azure Cloud, Terraform, Azure DevOps, Jira
Interests: TV Show Script Writing, Basketball, Hackathons, Rock Climbing, Society of Asian Scientists and Engineers