

SHASHANK RAGHURAJ

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EDUCATION

The 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, Data Mining, Software Engineering Techniques.

TECHNICAL SKILLS

Languages: Java, Python, SQL (Postgres), JavaScript (React), TypeScript, HTML, CSS, Power BI

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

EXPERIENCE

Software Engineering Intern

May 2025 – August 2025

Pinterest | Tools and Languages: Python, Typescript, Github, Sourcegraph

San Francisco, CA

- Contributed to the development of a new ad format empowering **millions of small business owners** to promote their brands on Pinterest, resulting in a **10%+ revenue increase** during the alpha phase alone.
- Optimized the ad creation pipeline for **80+ major consumer goods brands** by enabling instant creative previews, **reducing advertising costs by millions**, and unlocking **new revenue streams** for Pinterest.
- Led end-to-end development of a new account linking system, enabling brands to connect and manage their **MikMak accounts directly on Pinterest**, achieving a **100% conversion rate** and significantly improving onboarding to the new ad format.

Cloud Engineering Intern

June 2024 – August 2024

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

Cleveland, OH

- Streamlined cloud infrastructure processes by automating testing and recovery workflows using **Terraform**, **reducing developer workload by 24%**, and setting a standard for **efficient cloud operations with AWS**.
- 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**, **increasing application performance by 10%** for the bank.

Software Engineering Intern

May 2023 – August 2023

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

Mayfield Heights, OH

- Orchestrated a customer feedback initiative to identify product preferences, integrating key features into the Parker Tracking System, resulting in a **15% increase in customer base**.
- 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**.

PROJECTS

AI Citation Verifier | Python, React.JS, Express.JS, Firebase, Hugging Face |

- Developed an AI agent to **analyze research paper** references, verifying if they were genuinely cited and cross-checking referenced information for accuracy.
- Utilized front-end technologies (**React.js**) and back-end solutions (**Python and Firebase**) with **Hugging Face models** to analyze and classify citations, determining if they are **real, retracted, or fabricated**.

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

- 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 – Present

OHI/O (Ohio State's Hackathon Program) – Marketing Director, Executive Board

May 2024 – May 2025

- Spearheaded new digital marketing techniques and advertising promotions to raise awareness amongst the student community, **resulting in over a 15% increase in participant registration** from the previous year.