

KUSH PATEL

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EDUCATION

Rutgers University, New Brunswick

Computer Science, BS | Sept '20 - May '24

GPA: 3.7, (Deans List) Relevant Coursework: Data Structures, Computer Architecture, Internet Technology, Systems Programming, Principles of Databases and Information, Intro to Data Science

WORK EXPERIENCE

Microsoft

Redmond, WA

Software Engineer Intern (Azure Core Compute)

May 2023 - Aug 2023

- Slashed resource deployment latency by 94% at P99, by creating a new micro-service while retaining reliability
- Developed 30, unique, real time analytics and dashboards to visualize reliability, latency, and overall health of the micro-service.
- Implemented code optimizations to decrease server costs by 35% during peak demand.

Microsoft

Redmond, WA

PM & Software Engineer Intern (Azure Commerce & Ecosystems)

May 2022 - Aug 2022

- Reduced product time to market by 6 weeks, by collaborating with different teams.
- Analyzed user data to identify and prioritize features resulting in 32% increase in post acquisition customer retention.
- Coordinated with a team of 3 interns to develop a scalable notification API reducing latency by 600%.
- Designed the API to reduce the number of upstream calls, lowering resource usage by 52%.

Xupoli IT

North Brunswick, NJ

PM Intern

May 2021 - Sep 2021

- Comprehensively documented feature designs, enabling knowledge transfer for future projects.
- Delivered UX and UI design recommendations, driving user retainment by 54% and contributing significantly to overall user satisfaction.
- Implemented user-centered design, prioritizing user needs and feedback in feature development.

Rutgers, Office of Information Technology

Piscataway, NJ

IT Consultant

Oct 2020 - Dec 2022

- Solved over 2000 technical issues that students and faculty had, ranging from software troubleshooting to advanced hardware issues.
- Set protocols in place during virtual learning to lower basic troubleshooting related questions by 73%.
- Managed the technical well-being of Rutgers' systems which supports over 37,000 daily active users.

Raider Robotix

North Brunswick, NJ

PM & Head Scout

Sep 2016 - Jun 2020

- Led a team of 6 to design and launch Raider Robotix Scouting System, which led to 78% win rate over a season.
- Analyzed robot data to identify strengths and weaknesses, resulting in 95% match prediction accuracy.
- Directed team data analysis meetings for our robot, leading to 2 world championship victories.

SKILLS

Programming Languages: Java | Python | C | C# (.NET) | JS | XML | HTML | JSON | Latex | Flutter

Dev Tools: Azure | Git | Visual Studio | VSCode | Android Studio | XCode | IntelliJ

Software: Windows | macOS | Linux | Adobe CC | Microsoft Office | Tableau

Soft Skills: PM | Training/Mentoring | Team building | Leadership | Curious | Passionate

PROJECTS (REFER TO GITHUB FOR PROJECTS)

Raider Robotix Scouting System JAVA, GITHUB, ANDROID STUDIO, JAVA FX

Created a data collecting app paired with a desktop client with over 3,500 lines of code. The app compiles all the data into a JSON file. The client uses that data to make match predictions based on statistics and allows further analysis of the data by converting it into a CSV file for use in Tableau.