Rohan Gosavi

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EDUCATION

Arizona State University   Tempe, AZ
Bachelor of Science in Computer Science   *Graduation May 2025*

EXPERIENCE

Amazon   May 2024 – Aug. 2024
Software Development Engineer Intern   *Sunnyvale, CA*
- Designed, and launched a **microservice** on AWS to automate the end-to-end lifecycle of raw metrics for Alexa family devices by streamlining the process from scheduling and downloading to processing and trend visualization.
- Replaced manual anomaly detection with an RDS-based solution, **reducing processing time by 90%**, enabling quicker identification of faulty devices and enhancing proactive issue resolution.
- Architected **modular codebase** supporting the seamless integration of storage, algorithms, and visualization tools, **boosting code execution efficiency by 96%** and reducing deployment time for new features.
- Authored detailed onboarding architecture documents to facilitate rapid onboarding of new components, by contributing to **agile development cycles** and quicker deployment of updates.

Amazon   May 2023 – Aug. 2023
Software Development Engineer Intern   *Sunnyvale, CA*
- Created a **framework to monitor device memory usage** during test suites on Alexa family devices to generate log files, and consumption graphs, improving system diagnostics and memory consumption analysis.
- Developed a SQL Engine for parallel data retrieval from AWS S3, cutting **download time by 80%** and improving data handling efficiency.
- Collaborated with cross-functional teams employing **agile methodologies** to gather requirements and design architecture, ensuring seamless project execution and meeting performance goals.
- Optimized data processing by developing a Journal Log File parser by **leveraging regular expressions**, to streamline the parsing of device test logs.

SCAI, Arizona State University   Sep. 2022 – May 2023
Software Developer   *Tempe, AZ*
- Developed python modules for data scraping, reading RSS feeds, and **storing data from 50+ space-related websites**, and creating a comprehensive database for market analysis.
- Leveraged **Natural Language Processing and Machine Learning techniques** to analyze and format data, enhancing data visualization and insights for web dashboards, providing stakeholders with actionable intelligence.
- Followed the SDLC process to design, develop, and deploy a data integration system, ensuring reliable data aggregation from multiple sources, which improved the accuracy and timeliness of market analysis.

PROJECTS

Health Bridge | *Flask, Python, Google Maps API, HTML, Jinja*
- Developed an interactive COVID-19 symptom app using a **20-point diagnosis survey**, redirecting users to nearby healthcare centers based on geo-location, and providing safety precautions.

LEADERSHIP

Student Government Association   May 2021 - April 2022
Senator, School of Engineering   *Lubbock, TX*
- Represented the College of Engineering during the 57th Student Senate Session, advocating for **classroom improvements** and bridging communication between students and university administration resulting in enhanced student engagement and more responsive administrative actions.

TECHNICAL SKILLS

Development: Python, JavaScript, C++, HTML, CSS, MySQL, React JS, Flask, Bootstrap
Tools: Git, GitHub, Jira, VS Code, PyCharm, Eclipse, Microsoft Office Suite, Figma, IntelliJ IDEA, Bash, SQL, Numpy, Pandas, Matplotlib, Unit Testing, AWS Console (Lambda, EC2, RDS PostgreSQL, S3, IAM, Security Groups)
Machine Learning: Python Torch, NLTK NLP, Spacy, Prompt Engineering
Soft Skills: Communication, Leadership, Presentation, Time Management, Critical Thinking, Organization