Roma Solapurkar

romasolapurkar14@gmail.com | (408) 807-7321 | linkedin.com/in/romasolapurkar/ | github.com/rsol1225

EDUCATION

University of California, Santa Cruz | B.S. in Computer Science   March 2025
GPA: 3.85/4.0, Highest Honors

Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Principles of Computer System Design, Database Systems, Software Engineering, Web Applications, Natural Language Processing

EXPERIENCE

Associate Software Engineer, L3Harris Technologies   *June 2025- Present*
- Built and extended Spring Boot plugins and services, enabling modular functionality and deployment across environments.
- Developed a plugin in collaboration with an external team, coordinating design, integration, and deployment alongside internal teammates.
- Deployed services to a clustered environment, supporting scalability, reliability, and consistent configuration.
- Created Docker-based local development environments, including mock databases, to enable safe testing and faster iteration.
- Built, tested, and deployed services using existing Jenkins CI/CD pipelines.

Software Engineer Intern, Asurion   *June 2024- September 2024*
- Enhanced the ServiceNow platform by repairing forms, implementing continuous integration practices, and adding new workflows, resulting in a 50% increase in efficiency and improved user experience.
- Designed forms on the ServiceNow platform, with hands-on experience managing the Configuration Management Database (CMDB) and workflows.
- Implemented a custom application to streamline call-center workflows, integrating Observe.AI's API to automate agent performance analysis and feedback loops.
- Conducted in-depth analysis & developed innovative solutions for growth, ultimately winning the audience vote.

Breakthrough Tech AI/ML Fellow, Cornell Tech   *May 2024-January 2025*
- Completed Cornell's Machine Learning Foundations Course, mastering essential AI/ML and data analysis concepts through project-based learning and demonstrating proficiency through assessments and evaluations.
- Analyzed the Airbnb NYC "listings" dataset using decision tree and KNN models to refine feature selection and optimize hyperparameters, enhancing overall model performance.
- Collaborated in cross-functional teams and received direct mentorship and technical feedback from Google Data Scientists and Machine Learning Engineers.

LEADERSHIP

Space Ambassador, Space Foundation   *August 2025-Present*
- Delivering hands-on STEM and space science instruction in Space Foundation Discovery Center labs, introducing students to aerospace systems, physics, and engineering fundamentals.
- Served as a judge for the National Space Sustainability Competition, evaluating student projects on innovation, feasibility, and long-term impact.
- Recognized as New Volunteer of the Month for leadership, initiative, and educational impact.

Solution Challenge Coordinator, UCSC Google Developers Student Club   *December 2021-March 2025*
- Organized, taught, and managed 25 team projects for the Solution Challenge, taught technical workshops, managed internal operations, and fostered a collaborative learning environment.

PROJECTS

PostNote Web Application   *September-December 2023*
- Developed a web app for sharing notes, featuring course integration, note upload/download capabilities, and peer collaboration, utilizing Dart, Flutter, and Firebase for the backend, database, and authentication.

Task Management Web Application   *March-June 2024*
- Implemented a task management app using py4web, JavaScript, and Python with features for task creation, assignment, comment management, and role-based editing, ensuring a structured user hierarchy.

SKILLS

Skills: Python, Java, C, Spring Boot, SQL, Java, Jenkins, Git, Agile, Numpy, Pandas, Matplotlib, Scikit-learn, Seaborn, JavaScript, Kubernetes, CSS, HTML, Docker