

# Anika Sood

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## Education

<b>M.S. in Computer Science</b> - University of California, Riverside	April 2025 – March 2026
• Relevant coursework - Computer Architecture, Compilers, Operating Systems, Data Structures and Algorithms, Networks, AI	
<b>B.S. in Computer Science</b> - University of California, Riverside	Sept 2021 – March 2025

## Skills and Tools

- **Skills:** C++, Python, Java, JavaScript, C#, .NET, SQL, React, Node.js, Express.js, HTML, CSS, Pandas, NumPy, RESTful APIs, JSON
- **Tools:** AWS (Bedrock), Postman, Playwright, Git, VS Code, Android Studio

## Internship Experience

<b>Software Quality Engineering (AI QA) Intern</b>   <a href="#">Amazon</a> – Seattle, WA	June 2025 – Sept 2025
• Designed and executed a comparison study of two automation frameworks, ADAM (AWS Bedrock AI) and Catena (traditional Playwright-based framework), presenting findings to leadership and driving workflow updates adopted by a 40+ engineer team.	
• Led QA for two Prime Tech projects: automated 90%+ of regression, UI, and functional tests, reducing testing time by 67%, collected performance metrics for framework comparison study, and enabled production launch of both projects.	
<b>Software Engineering Intern</b>   <a href="#">McMaster-Carr</a> – Chicago, IL	June 2024 – Aug 2024
• Designed and implemented a <b>full-stack</b> application utilizing <b>SQL, JSX, MUI, and React</b> to monitor and log system outages, reducing incident response time by 20% and supporting over 300 systems engineers.	
• Developed a <b>C#/.NET</b> script to monitor server switches and integrated a Slackbot notification system, automating alerts for 700+ employees and reducing manual alerting time by 90%.	
• Optimized outage reporting by consolidating data into a centralized platform improving efficiency.	
<b>Software Engineering Intern</b>   <a href="#">PyrAmes Health</a> – Cupertino, CA	June 2023 – Sept 2023
• Designed <b>Python</b> scripts to automate data organization and cleaning processes for over 600 files, ensuring consistent formatting and improving processing time by 70%.	
• Utilized data manipulation libraries such as <b>Pandas and NumPy</b> to visualize and analyze datasets from over 30 studies, identifying long-term trends and product accuracy.	

## Projects

<b>AI Text Detection</b>   Python, HuggingFace Distilled RoBERTa	
• Conducted a study on the RAID dataset comparing traditional ML models (LogReg, SVM, RF) with a fine-tuned <b>DistilRoBERTa</b> transformer for AI vs. human text detection.	
• Applied <b>SVD</b> for dimensionality reduction, <b>SMOTE</b> for class balancing, and 5-fold cross-validation to optimize model performance.	
<b>Recipe Sharing Social Application</b>   React, MongoDB, HTML, CSS	
• Developed a full-stack web application using <b>React, Node.js, and MongoDB</b> for sharing recipe photos, featuring social networking capabilities like comments, user profiles, search, trending, and post sorting.	

## Leadership

<b>Vice President</b>   Society of Women Engineers (SWE) at UCR	June 2022 – June 2025
• Led a team of 20 board members and managed club operations including large-scale events, bi-weekly general meetings, academic workshops, and 80% member retention.	
• Previously served as Treasurer ('22-'23) and Fundraising Chair ('23-'24) and managed budgets, corporate relations, and more to ensure proper funding for club operations.	