

# Anika Sood

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## Education

**M.S. in Computer Science** - University of California, Riverside April 2025 – March 2026

- Relevant coursework - Computer Architecture, Compilers, Operating Systems, Data Structures and Algorithms, Networks, AI

**B.S. in Computer Science** - 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

**Software Quality Engineering (AI QA) Intern** | [Amazon](#) – 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.

**Software Engineering Intern** | [McMaster-Carr](#) – Chicago, IL June 2024 – Aug 2024

- Designed and implemented a **full-stack** application utilizing **SQL, JSX, MUI, and React** to monitor and log system outages, reducing incident response time by 20% and supporting over 300 systems engineers.
- Developed a **C#/.NET** 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.

**Software Engineering Intern** | [PyrAmes Health](#) – Cupertino, CA June 2023 – Sept 2023

- Designed **Python** 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 **Pandas and NumPy** to visualize and analyze datasets from over 30 studies, identifying long-term trends and product accuracy.

## Projects

[AI Text Detection](#) | Python, HuggingFace Distilled RoBERTa

- Conducted a study on the RAID dataset comparing traditional ML models (LogReg, SVM, RF) with a fine-tuned **DistilRoBERTa** transformer for AI vs. human text detection.
- Applied **SVD** for dimensionality reduction, **SMOTE** for class balancing, and 5-fold cross-validation to optimize model performance.

[Recipe Sharing Social Application](#) | React, MongoDB, HTML, CSS

- Developed a full-stack web application using **React, Node.js, and MongoDB** for sharing recipe photos, featuring social networking capabilities like comments, user profiles, search, trending, and post sorting.

## Leadership

**Vice President** | 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.