

SHREYA SUNDAR

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SUMMARY

Software engineer with experience in developing, testing, and debugging applications. Quick and eager learner, collaborative, and passionate about problem-solving in dynamic team settings.

EXPERIENCE

Engineering Manager | Develop For Good

Oct. 2024 - Present, Remote, USA

- Overseeing project development by defining technical milestones and deliverables and delegating tasks to the team

Software Engineer Intern | Realtor.com

Jun. 2024 - Aug. 2024, Austin, TX, USA

- Spearheaded a solution to offload call recordings of agent/consumer conversations from Twilio to AWS S3, reducing storage costs by thousands of dollars annually
- Implemented multithreaded Python scripts to automate the transfer and deletion of 100,000+ call recording files from Twilio to an AWS S3 Bucket, efficiently sourcing, analyzing, and managing large volumes of audio files
- Implemented robust IAM policies, roles, and user configurations in the AWS management console and Terraform to ensure secure and efficient access control and consistency across all production environments
- Conducted extensive testing in a development environment to validate the functionality, performance, and reliability of the new storage solution in offloading recordings to S3

Software Developer Intern | UC Santa Cruz Genomics Institute

Nov. 2022 - May. 2024, Santa Cruz, CA, USA

- Developed and implemented 10+ frontend features for a genomic data visualization web application using JavaScript and React.js, optimizing data access and search, resulting in a more navigable, user-friendly platform
- Composed functions and adapted scripts to generate accurate graph visualizations and preserve data integrity by troubleshooting browser-related issues, processing data input, handling coordinates, computing statistics, and expanding user file I/O options
- Constructed 10+ unit test scripts, ensuring component functionality and computed data reliability

Tutor | UC Santa Cruz Baskin School of Engineering

Sep. 2023 - Apr. 2024, Santa Cruz, CA, USA

- Supported 50+ undergraduate students as a tutor for Data Structures and Algorithms and Machine Learning, providing tailored support to enhance concept understanding and academic performance
- Led biweekly sessions to address students' code, address questions, explain concepts, and provide assignment overviews, leading to improved student comprehension and success

PROJECTS

Cache Eviction Policies Simulator | Java, Spring Boot, React.js

- Hands-on simulator demonstrating 4 cache eviction policies, FIFO, LRU, MRU, and Clock, in a fully associative cache model

Trivia Game Maker | React.js, Express.js, Node.js, MongoDB, FireStore

- Full-stack tool for users to create, manage, and organize trivia cards that dynamically integrate into a responsive Jeopardy board

EDUCATION

University of California, Santa Cruz | B.S. Computer Science with Honors

Sep. 2021 - Jul. 2024, Santa Cruz, CA, USA

- Coursework: Machine Learning, Data Structures/Algorithms, Computer Systems Design, Database Systems, Software Engineering
- Activities: President of Creative Tech Design, Web Developer at Tech4Good Research Laboratory, CodePath

SKILLS

Programming Languages: Python, JavaScript, C, C++, Java, SQL (MySQL, PostgreSQL), HTML, CSS

Technologies and Frameworks: React.js, Next.js, Node.js, Express.js, Pandas, NumPy, Scikit-Learn

Developer Tools: MongoDB, FireStore, Git, Linux, Google Workspace, Figma, Jupyter, Amazon Web Services, Asana, Jira, Notion

Core Competencies and Interests: Cloud Computing, Machine Learning, Object Oriented Programming, DevOps, Frontend, Backend, and Full Stack Development, Data Analytics, API, Agile/Scrum, Big Data