

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 and working with dynamic teams.

EXPERIENCE

Realtor.com

Austin, TX

Software Engineer

Feb 2025 – Present

- Contributing to the development of a real estate referral platform

Software Engineer Intern

Jun 2024 – Aug 2024

- Spearheaded a **cost-saving storage solution** to offload call recordings of agent/consumer conversations from Twilio to AWS S3, reducing storage costs by thousands of dollars annually
- Developed and optimized multithreaded Python scripts to automate the transfer and deletion of 100,000+ call recording files from Twilio to an AWS S3 Bucket, improving efficiency in managing large-scale audio files
- Designed and tested robust IAM policies, roles, and user configurations in the AWS management console and Terraform, strengthening security and ensuring consistent access control across all production environments

Develop for Good

Remote, USA

Engineering Manager

Oct 2024 – Feb 2025

- Led the development of an **end-to-end Google Cloud data pipeline** for a nonprofit client and a team of 10+, defining technical requirements and milestones using agile methodologies, enabling the analysis and visualization of educational insights and trends
- Optimized data processing by leveraging GCP BigQuery and Python-based cloud functions to clean, combine multiple datasets, and create structured views in SQL, enhancing data accessibility and usability
- Constructed a holistic dashboard in Google Looker Studio presenting student data in 33 simple and intuitive visualizations, improving client decision-making for nonprofit activities and student success

UC Santa Cruz Genomics Institute

Santa Cruz, CA

Software Developer

Nov 2022 - May 2024

- 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

PROJECTS

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

[View Project](#)

- Hands-on simulator enabling users to visualize FIFO, LRU, MRU, and Clock eviction policies in a fully associative cache model

Trivia Game Maker - React.js, Express.js, Node.js, MongoDB, Firestore

[View Project](#)

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

SKILLS

Programming: Python, JavaScript, TypeScript, C, C++, Java, SQL, HTML, CSS

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

Cloud & Databases: Amazon Web Services, Google Cloud Platform, MySQL, PostgreSQL, BigQuery, MongoDB, Firestore

Developer Tools: Git, Linux, Figma, Jupyter, Project Management (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

EDUCATION

University of California - Santa Cruz, BS Computer Science

Santa Cruz, CA

Coursework: Data Structures / Algorithms, Software Engineering, Computer Systems Design, Machine Learning, Databases

Activities: President - Creative Tech Design, Web Developer - Tech4Good, CodePath, Tutor - Baskin School of Engineering