

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

Software Engineer

Austin, TX

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
- Received return offer

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 a simple and intuitive format, 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

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

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

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