

Reva Mahto

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Education

University of California, Santa Cruz *B.S. Computer Science*

March 2026

GPA: 3.9

Relevant Coursework: Data Structures and Algorithms, Computer Systems and C Programming, Computer Architecture, Computer Systems and Assembly Language and Lab, Applied Discrete Mathematics, Vector Calculus

Cornell University *Machine Learning Foundations certificate*

CodePath *iOS Development, Web Development certificates*

Projects

Self Tour *SF Hacks*

April 2024

- Deployed a website with a team of four helping tourists use suggested itineraries by previous tourists and locals.
- Built using Google Maps API, OpenAI API, TypeScript, React, Firebase, and Figma.
- Displays shortest routes on an embedded map when various locations are inputted, itineraries include customizable of AI-generated summaries of locations.
- Gamifies user interaction by sending notifications with fun facts as you reach the routed spots.

Dance The Night Away

April 2024

- Created a website that allows users to share, comment, and like their favorite YouTube dance videos.
- Posts can be sorted by votes or time created. They can also be edited and deleted after creation.
- Built using React.js and the YouTube iframe API.

Doroim *Google Solution Challenge*

Jan - Mar 2024

- Crafted a dynamic website using React.js for tracking furniture bought and shared by roommates on a collaborative checklist.
- Implemented AI chatbot using OpenAI API to suggest household items for first-time movers.
- Programmed a feature allowing users to create accounts and groups. Users must create an account and log in through the website so that groups can be recorded using Firebase.

UCSC 4-Year Planner *CruzHacks Hackathon*

Jan 2024

- Developed a website with React.js, MongoDB, and Figma to simplify academic planning at UCSC.
- Integrated interactive drag-and-drop calendar and multi-display feature for course prerequisites.
- Enhanced user accessibility via data exportation to CSV file.

Leadership

Curriculum & Meeting Director *Girls Who Code*

February 2024 - Present

- Restarted the previously abandoned and under-resourced club by creating instructional meetings from scratch.
- Increased regular attendance by 70% by making the technical meetings engaging with unconventional and interactive activities.

Instruction Officer *Google Student Developer Club*

March 2024 - Present

- Selected from 90 applicants, with only a 3% acceptance rate, by demonstrating performance reliability, care for community, innovative thinking, and receptiveness to actionable feedback.
- Develop and lead instructional meetings, including technical workshops on Google Cloud, APIs, and relevant technologies, LeetCode tutorials, academic guidance, and career development sessions.

Experience

Google *AI Studio Fellow (Incoming)*

Aug - Dec 2024

- Analyze Google Trends data to identify trends in mental health-related searches over time, utilizing time series analysis, clustering, and sentiment analysis to uncover patterns and assess model accuracy.
- Quantify the impact of various factors on search behavior and share insights with stakeholders to improve mental health resources.

UCSC Girls Who Code *Full-Stack Web Developer*

Jan 2024 - Present

- Building the official UCSC GWC website using React.js, Express.js, Google Cloud, MongoDB, and Figma to make technical and professional development accessible to student minorities.
- Writing optimized, maintainable code to ensure long-term website performance and efficient data storage.

Cornell Fellow *Break Through Tech AI*

May 2024 - Present

- Selected from 3,000+ applicants for a year-long program supporting underrepresented individuals in AI, featuring a Machine Learning Certificate from Cornell and industry projects.

Skills

- **Programming Languages:** Python, SQL, R, Java, C++, C, MATLAB, Swift
- **Libraries/Frameworks:** React, NumPy, Pandas, Matplotlib, scikit-learn, ggplot2, Seaborn
- **Backend Services:** Firebase, MongoDB, Google Cloud
- **Tools:** Git, VSCode, JupyterLab, Eclipse, Terminal, XCode, Tableau