Shamita Goyal

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Education

University of California San Diego — June 2026
B.S. Cognitive Science, Specialization in Human-Computer Interaction and Design — *San Diego, CA*

Experience

Design Co — Feb 2025 - Present
Web Developer — *San Diego, CA*
- Building interactive websites for large-scale events using **TypeScript**, **React**, **Next.js**, **HTML**, **CSS**, **SASS**, and **MongoDB** in UCSD's largest pre-professional design club with **1,000+** members.

Association for Computing Machinery x Software Engineering Projects — Jan 2025 - Present
Projects Mentor — *San Diego, CA*
- Driving the development of a dynamic web platform for beginner gardeners, integrating web scraping with **BeautifulSoup** using **Python** to aggregate planting guides and resources.
- Leading a team of 4 developers through a structured **MERN stack** curriculum, optimizing workflows and ensuring scalable code, while overseeing the end-to-end transformation of **5+** interactive **Figma** pages into a responsive web application with technical and organizational mentorship.

Data Science Student Society x Projects — Jan 2025 - Present
Project Lead — *San Diego, CA*
- Leading a team of 4 in **classifying benign and malignant tumors** from the BreakHis dataset using **CNNs**, **vision transformers**, and **U-Nets** for cancer healthcare solutions.
- Creating a curriculum on machine learning, Python, GitHub best practices, and advanced models, enabling the team to extract meaningful insights from **9,109 tumor images**.

Data Science Student Society — Oct 2024 - Present
Software Developer — *San Diego, CA*
- Leading the design and development of **three websites**, optimizing **10+** pages with wireframing, prototyping, and UX enhancements in **Figma** to improve engagement and consistency.
- Overhauling front-end architecture using **TypeScript**, **React**, and **Tailwind CSS**, resolving layout inconsistencies and **media query issues** to enhance responsiveness and boost homepage engagement by **75%**.
- Collaborating with 9 developers to establish a scalable design system, streamlining UI/UX workflows.

Projects

CatCar - Software Developer Intern | *React, CSS, TypeScript, MongoDb, Javascript, Git* — *Mar 2025 - Present*
- Revamping a website that enables UC Merced students to access job opportunities by providing transportation services to fellow students, working with a team of 3 to enhance security and scalability.
- Redesigning website mockups in **Figma** and building a login system using **React** and **MongoDB**.

DS3 Consulting - Frontend Developer | *React, Tailwind CSS, Figma, Git* — *Jan 2024 - Present*
- Redesigned the website using **Figma**, creating two interactive prototypes and conducting user interviews to gather feedback with the consulting director.
- Developed the website using **React** and **Tailwind CSS** to enhance UI/UX and promote student collaboration with nonprofits and startups on data science projects.

ProjectUp - Frontend Developer | *React, Express.js, Node.js, MongoDB, Figma, Git* — *Jul 2024 - Oct 2024*
- Led a team of 5 to develop a UCSD project-sharing platform with dating app-style matching, designing **9+ Figma prototypes**.
- Built **React** components with **Ant Design**, integrated **Google Authentication**, and created a dynamic **MongoDB**-connected postings page with **Express.js**, **Node.js**, and **Framer Motion** for interactive UI elements.

Skills

Languages: Python, R, SQL, JavaScript, Java, HTML/CSS, C++, TypeScript, SASS
Developer Tools: React, Express.js, sqlite3, Bootstrap, Flask, Node.js, MongoDB, Git, Next.js, Tailwind CSS
Coursework: Data Structures and Algorithms (Java), Interaction Design (Now), OOP, Advanced Python, R, Data Science