

# Shamita Goyal

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## Education

### University of California San Diego

B.S. Cognitive Science, Specialization in Human-Computer Interaction and Design

June 2026

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.js**, 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/Extracurriculars

### CatCar | Software Developer Intern

Feb 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.js** **MongoDB**.

### UC San Diego Triton Droids | Marketing Executive

Nov 2024 - Present

- Increased total post views by **23k+** and achieved **70%+** engagement by designing, editing, and creating posts and reels aligned with audience trends.
- Grew social media following by **200+** in one month, with posts consistently reaching **3,000+** views through trend-aligned AI and robotics content, showcasing expertise in tech-driven content strategy.

### ProjectUp | HTML, CSS, JavaScript, React.js, Express.js, Node.js, MongoDB, Figma

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.js** 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.js, 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