

Shamita Goyal

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EDUCATION

University of California, San Diego

San Diego, CA

B.S. Cognitive Science, Specialization in Human-Computer Interaction and Design, GPA: 3.87

December 2026

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, JavaScript, TypeScript, HTML/CSS, R, SASS/SCSS, Tailwind CSS

Technologies & Frameworks: React, Flask, JUnit, Next.js, Express, Bootstrap, Pandas, MongoDB, GSAP, Node.js, Firebase, sqlite3, Git/GitHub, Figma, Vercel, Netlify

EXPERIENCE

Undergraduate Researcher

Sept 2025 – Present

XR Lab, UC San Diego

San Diego, CA

- Building an AI-integrated, full-stack web platform using React, WordPress, and custom VM-hosted applications for knowledge management and research dissemination.

Software Developer Research Intern

June 2025 – Present

Foundation Interface Lab, UC San Diego Design Lab

San Diego, CA

- Developed a full-stack framework, Meridian, using Next.js, TypeScript, Tailwind CSS, DaisyUI, and Firebase to enable malleable, user-driven overview-detail interfaces.
- Published Meridian as an **NPM package**, maintaining documentation, versioning, and framework support for designers, developers, and end-users.
- Integrated Tripadvisor API and OpenAI ChatGPT-4 into the platform for AI-powered filtering, organization, and dynamic interface customizations.

Lead Web Developer

Feb. 2025 – Present

Design Co, UC San Diego

San Diego, CA

- Led a 12-person cross-functional team to implement responsive **websites** using Next.js, React, TypeScript, Webpack, and SASS/SCSS for a 3,000+ member design organization.
- Guided 2 developers to modernize legacy codebases, improving load times by 60% SEO, and Lighthouse scores
- Developed internship-style platforms for nonprofit clients while hosting technical workshops for 1,000+ students.

Software Developer & UI Designer Lead

Oct 2024 – Present

Data Science Student Society, UC San Diego

San Diego, CA

- Led development of **TritonBall**, **DS3**, and **DS3 Consulting** websites using React, TypeScript, Tailwind CSS, DaisyUI, and Figma, optimizing 15+ pages from prototypes to production.
- Increased homepage engagement by 75% and improved CI/CD pipelines for faster deployments.
- Collaborated with 9 developers to establish a scalable design system and deliver data-driven platforms for nonprofit clients.

Technical Project Lead

Jan. 2025 – May 2025

Association for Computing Machinery Hack Projects, UC San Diego

San Diego, CA

- Led 4 developers through full-stack MERN projects using MongoDB, Express.js, React, and Node.js with Agile workflows, mentoring on scalable coding practices.
- Built and deployed a responsive **gardening platform** with Python/BeautifulSoup data aggregation and 5+ Figma prototypes on Vercel.

PROJECTS

UP-Grade 2025 | *React, TypeScript, Figma, SASS/SCSS, Radix UI, Git, Netlify*

- Developed the web platform for UP-Grade, a 10-week mentor-led internship program partnering with nonprofits, using React, TypeScript, Figma, SASS/SCSS, and Radix UI, collaborating with 4 developers and 4 designers.

ProjectUp | *React, Ant Design, Express, Node.js, MongoDB, Framer Motion, Git*

- Led a team of 5 to build a UCSD project-sharing platform, enabling students to discover and connect on collaborative projects, using React, Ant Design, Express, Node.js, MongoDB, and Framer Motion, designing 9+ Figma prototypes.