

Shamita Goyal

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EDUCATION

University of California, San Diego

San Diego, CA

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

June 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, Electron, Ionic, Supabase

EXPERIENCE

Software Developer Intern

July. 2026 – Present

PermitIQ (Zenergy LLC)

San Diego, CA

- Building features for a live solar permit intelligence platform used by sales teams to track permits, monitor installer activity, and prioritize territory in real time; contributing to the map-based dashboard, property search, and status-tracking workflows.

Software Developer Researcher

January 2026 – Present

Healthcare Robotics Lab, UC San Diego Computer Science and Engineering Department

San Diego, CA

- Designed and shipped new UI features for CARMEN, an assistive dementia-care robot, and led a refactor of the legacy codebase to prepare for the CARMEN 3.0 architecture migration (TypeScript, Angular, Ionic, Flask, MongoDB, WebSockets).

Software Developer Research Intern

June 2025 – Present

Foundation Interface Lab, UC San Diego Design Lab

San Diego, CA

- Developed a full-stack application using a custom made framework called 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, React Flow, 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

- Managed a 12-person cross-functional team to implement responsive websites like DF26, Stride25 and Up-Grade25 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.
- Built and maintained scalable web platforms for hackathons, career fairs, and internship-style summer programs, alongside hosting workshops reaching 1,000+ club members.

Software Developer & UI Designer Lead

Oct 2024 – Present

Data Science Student Society, UC San Diego

San Diego, CA

- Directed 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.

PROJECTS

Solar IQ — DataHacks 2026 (1st Place, Zen Power Sponsor Track)

- Built a full-stack solar savings platform cross-referencing permit, irradiance, and utility-rate data to estimate homeowner savings by ZIP code, using React, TypeScript, D3.js/ECharts, Three.js, Python, and PostgreSQL; won 1st place in the Zen Power sponsor track among 109 teams.