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: 3.84 — *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

Software Developer Research Intern — June 2025 – Present
Foundation Interface Lab, UC San Diego Design Lab — *San Diego, CA*
- Designed & developed a full-stack application leveraging Meridian, a framework for malleable, user-driven overview-detail interfaces (ODIs), using Next.js, TypeScript, Tailwind CSS, DaisyUI, and Firebase to enable dynamic interface personalization.
- Published Meridian as an NPM package for public use, maintaining documentation, versioning, and framework support for designers, developers, and end-users.
- Integrated Tripadvisor API to fetch 80+ restaurant records and stored them in Firebase, while leveraging OpenAI ChatGPT-4 API to enable AI-powered filtering, organization, and dynamic interface customizations.

Lead Web Developer — Feb. 2025 – Present
Design Co, UC San Diego — *San Diego, CA*
- Collaborated with a cross-functional team of 12 to translate high-fidelity Figma prototypes into responsive, production-ready websites using Next.js, React, TypeScript, Webpack, and SASS/SCSS for UC San Diego's largest pre-professional design organization serving 3,000+ members.
- Led a team of 2 developers to launch 2 major projects supporting 200+ users and high-profile events with Google, Epic, and Deloitte recruiters, modernizing legacy codebases with Next.js and SSR to improve load times by up to 60% and boost SEO, Lighthouse scores, and accessibility.
- Developed professional-grade, internship-style platforms for nonprofit clients while hosting technical workshops, providing hands-on industry experience for 1,000+ students.

Software Developer & UI Designer Lead — Oct 2024 – Present
Data Science Student Society, UC San Diego — *San Diego, CA*
- Led design and development of TritonBall, DS3, and DS3 Consulting websites for a 2,000+ member organization, optimizing 15+ pages via Figma prototypes, React, TypeScript, Tailwind CSS, and DaisyUI, achieving a 75% increase in homepage engagement and improving CI/CD pipelines for faster deployments.
- Collaborated with 9 developers to establish a scalable design system and deliver data-driven platforms for nonprofit clients, enhancing user experience and supporting real-world project applications.

Technical Project Lead — Jan. 2025 – May 2025
Association for Computing Machinery Hack Projects, UC San Diego — *San Diego, CA*
- Led a team of 4 developers through the full-stack MongoDB, Express.js, React, Node.js (MERN) curriculum using Agile workflows, providing technical mentorship and guiding them in scalable coding practices and efficient project delivery.
- Built a responsive web platform for beginner gardeners, using Python and BeautifulSoup to aggregate planting guides and transforming 5+ Figma prototypes into a production-ready application, deployed 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.