

# Shilpa Chowbey

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## EDUCATION

**University of California, San Diego,**

*Expected 2025*

B.S. in Cognitive Science and Computer Science

GPA: 3.83

*Relevant Coursework:* Data Structures, Object-Oriented Programming, Product Engineering, Front-End Development, Data Science in Practice, Human-Computer Interaction, Deep Learning, Large Language Models, Systems Programming

## WORK EXPERIENCE

### NOVONESIS

*Software Engineering Intern, Davis, CA*

*06/2024 - 09/2024*

- Developed a dynamic dashboard using React and Svelte, enabling scientists to upload and search microbial datasets
- Enhanced API endpoints to facilitate seamless interaction with a PostgreSQL-based data management system
- Conducted user testing, gathered feedback, and iteratively improved website's functionality and user experience

### MORE SECONDS

*UX Analyst Intern, Remote*

*01/2024 - 05/2024*

- Implemented full-stack feature, with front-end HTML and JS display while interacting with back-end Python code
- Analyzed demos and HTML / JS codebase with UI mapping, heuristic evaluation, responsive design principles to identify 3+ bugs and prioritized 5+ feature updates to improve intuitiveness and usability of feature designs
- Prototyped Figma enhancements to redesign webflow to improve intuitiveness for AI project management system

### FUEL VENTURES

*Web Development Intern, Singapore*

*06/2023 - 08/2023*

- Created website and blog with Bootstrap, JS, CSS, HTML for Asia branch of international venture capital fund
- Configured domain for business emails and website, migrated company off paid Google store suite to save money
- Managed publicity section of website, planned conference events and powerpoint content, networked with clients

### IDTECH

*Coding Instructor, Nashville, TN*

*06/2022 - 08/2022*

- Taught foundational Java, JavaScript, Lua, and Roblox courses to 7-17 year-olds at Vanderbilt University camp
- Created lesson plans, facilitated discussions to promote critical thinking, developed troubleshooting skills
- Acted as project manager for all 400 students to create technical final projects to incorporate their interests

### IBM

*Design Apprentice, Remote*

*05/2022 - 09/2022*

- Selected to participate in student accelerate program to learn user-centered design research, storyboarding, Figma
- Networked with IBM employees, researchers, and industry professionals to understand empathetic design process

### TENNESSEE STATE UNIVERSITY

*Materials Science Researcher, Nashville, TN*

*08/2019 - 05/2020*

- Analyzed and transformed raw data into heat maps, 3D graphs, stress distributions using Excel, MATLAB, Linux
- Collaborated on team of 4 to compiled data visualizations and compose research paper on Atomic Level Strain

## ACTIVITIES

**Well-Being Peer Educators**

*01/2022 - present*

- President; run meetings, coordinate organizations for diverse perspectives, host on-campus promotional events
- Volunteer for health education regarding all types of health (physical, mental, etc), build internal leadership team

**Professor's Assistant**

*09/2022 - 12/2023*

- Student teacher for Data Science in Practice; grade assignments, create lessons plans, guide data-driven projects

**Triton Consulting Group**

*09/2022 - 06/2023*

- Built case study, financial, and collaborative skills through six-week analyst program, consulted for local start-up

## SKILLS & CERTIFICATIONS

**Technical Skills:** React; Svelte C; C++; R; Linux; Python; Java; JavaScript; HTML; CSS; Figma; SQL; Assembly

**Professional Skills:** Canva, Adobe PhotoShop, LaTeX, Excel, affinity mapping, user interviews, Jupyter Notebook

**Certifications:** Nonprofit Essentials; NASPA Peer Educator; Red Cross CPR & AED; IBM Intermediate Design