

# Dhruv Shukla

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## EDUCATION

### University of California Santa Cruz

*Bachelor of Science in Computer Science*

Santa Cruz, CA

July 2022 – June 2026

## TECHNICAL SKILLS

**Languages:** Python, C/C++, SQL, JavaScript, HTML/CSS

**Frameworks:** React, Node.js, Flask, Firebase, NgRx, Tcl/Tk GUI, CLI, FastAPI

**Developer Tools:** Git, VS Code, X Code, PyCharm, IntelliJ

**Libraries:** pandas, NumPy, Matplotlib

## EXPERIENCE

### Group Tutor — Baskin School of Engineering

*University of California Santa Cruz*

January 2024 – Present

*Santa Cruz, CA*

- Teaching Python fundamentals to 150 students, enhancing their coding skills in an introductory course
- Track and analyze student performance to target and improve learning outcomes
- Offered personalized support and coordinate with the professor to boost students' problem-solving abilities in Python

### Web Developer

*Tech4Good Research Lab @ University of California, Santa Cruz*

September 2023 – Present

*Santa Cruz, CA*

- Develop and implement 5 reusable UI components and 2 containers per quarter for the ExploreCareers and Blossom Networking platforms using Angular and Figma, enhancing user interface consistency and scalability
- Collaborate closely with a team of 2 students to meet project milestones and adhere to launch deadlines for new platform features
- Participate in an 8-member team, focusing on Angular and Figma to design and deliver high-quality UI components and containers, ensuring seamless integration and optimized performance across platforms

### Grader — Baskin School of Engineering

*University of California Santa Cruz*

September 2023 – Present

*Santa Cruz, CA*

- Efficiently graded assignments and exams for a class of 150 students, ensuring accuracy and adherence to educational standards
- Collaborated with professors and teaching assistants to maintain uniform grading criteria, promoting fair and consistent evaluation practices
- Facilitated regular correspondence with academic staff to align grading methodologies and resolve discrepancies, ensuring transparency and fairness in student assessments

## PROJECTS

### Blossom | *Typescript, Angular, NgRx, Firebase, HTML, CSS, Github*

April 2024 – Present

- Engineering containers for seamlessly hosting and managing Angular components, enhancing modular development and deployment processes
- Using Firebase to serve as the scalable and real-time backend solution, facilitating data storage, retrieval, and synchronization across user sessions
- Crafting a responsive layout for the Blossom networking platform, ensuring optimal user experience across various devices and screen sizes, utilizing CSS and Angular's responsive design capabilities

### Explore Careers | *JavaScript, Angular, HTML, CSS, Github*

September 2023 – April 2024

- Developed 7 dynamic and responsive UI components for "Explore Careers," including TikTok-linked carousels and journal pages, using Angular, CSS, and HTML to elevate user experience and engagement
- Made new UI components for short-form career advice, such as dynamic carousels and live cards
- Utilized Angular for efficient data binding and linking data to the UI for dynamic and interactive user experiences

### ChatGPT Replica | *Python, OpenAI API*

June 2023

- Developed an AI chatbot with Gradio and GPT-3.5, offering intelligent, real-time interactions to boost user
- Leveraged GPT-3.5's NLP for personalized, context-aware chatbot responses, enhancing user satisfaction
- Integrated AI chatbot into platforms using Python and APIs, innovating user support and communication