Suhani Srivastava

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EDUCATION

University of California, San Diego   **San Diego, CA**
B.S. in Computer Engineering   *Expected Graduation, June 2026*
- **Related Coursework:** Object-Oriented Programming in Java, Systems Programming in C, Data Structures and Algorithms, Digital Logic and System Design, Computer Architecture & Assembly, Discrete Math, Combinatorics, Graph Theory, Probability, and Logic for Algorithm Analysis, Circuit Design & Analysis, Data Science & Machine Learning Concepts

EXPERIENCE

Codalien Technologies   **New Delhi, India**
Software Development Engineering Intern   *Jun 2024 - Aug 2024*
- Designed an interactive 3D e-commerce site using HTML, CSS, JavaScript, and Three.js, resulting in a user-friendly interface.
- Enabled real-time 3D print cost estimation and object previews through file upload integration, improving customer accuracy and satisfaction.

HDH, UC San Diego   **San Diego, CA**
Culinary and Market Service Retail Associate   *Oct 2023 – Jan 2024*
- Collaborated with a diverse team to efficiently serve over 200 customers per day, leveraging interpersonal and multitasking skills to maintain customer satisfaction scores.

World Trade Park   **Jaipur, India**
Engineering Intern   *May 2021 – Jul 2021*
- Developed a prototype app "Studio-on-the-go" using Google AppSheet, JavaScript, and Google AI Cloud, allowing architects to render designs on-the-go, increasing team productivity by 30%.

PROJECTS

Custom Load-Store Instruction Set Architecture   *Jul 2024*
- Designed a load-store ISA inspired by ARM using System Verilog, Assembly, and Python, incorporating advanced control flow and flag registers, improving simulation flexibility.

Face Recognition and Mask Detection App, GUVI   *Apr 2021*
- Built a face recognition and mask detection application using Python and scikit-learn's DecisionTreeClassifier, leveraging feature-based classification to distinguish masked and unmasked individuals, resulting in over 90% prediction accuracy during testing.

ACTIVITIES AND LEADERSHIP

Women in Computing (WIC)   **San Diego, CA**
Mentor   *Nov 2024–Present*
- Provided peer mentorship and career guidance to female students in tech, creating a collaborative space that fostered learning and resource-sharing among mentees.

SKILLS

Programming Languages: Java, JavaScript, Python, C, C++, SQL, Assembly, System Verilog
Tools & Platforms: Git, GitHub, VS Code, Google Cloud Platform, Fusion 360, MATLAB, LaTeX, LTspice
Operating Systems: Linux, Windows
Certifications: PyTorch – Neural Networks and Deep Learning in Python (Jan 2024), Microsoft Windows Defender and Firewall (IBM, Sept 2023),Build a Face Recognition App using Python (GUVI, Apr 2021)
Languages: English, Hindi, French