

Karan Nehalkumar Raval

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EDUCATION

San Jose State University, San Jose, California

Expected Graduation: Jan 2027

Major: Bachelor of Science in Computer Science

Cumulative GPA: 3.86 / 4.0

Coursework: Operating Systems, Computer Organization & Architecture, Data Structures & Algorithms, Object-Oriented Design

Honors: President's Scholar (Spring 2024)

SKILLS

- **Languages:** JavaScript, Java, Python, HTML5, SQL, PHP, C/C++
- **Tools & Frameworks:** ReactJS, Bootstrap, Firebase, MongoDB, VSCode, Git, NodeJS, Figma, FastAPI, Docker
- **Certifications:** Cybersecurity Fundamentals (IBM), Full Stack Development (Udemy), Figma and UI/UX (Udemy)

WORK EXPERIENCES

Community Desk Assistant

University Housing, San Jose State University, CA United States

September 2024 – Present

- Facilitating roommate mediation and leading floor meetings to create a supportive and inclusive community, also enhancing the overall resident experience
- Planning and executing 10 community-building programs and initiatives, providing residents with academic support and personal development resources
- Promoting diversity and inclusivity by collaborating with campus partners and serving as a mandated reporter, ensuring a safe and welcoming environment for all residents.

Peer Mentor

ISuccsded, San Jose State University, CA United States

August 2024 – Present

- Gain leadership, communication, and problem-solving skills through directly mentoring first-year students.
- Host over 15 workshops and group discussions each semester to improve student engagement.
- Mentoring over 25 first-year students, providing academic and personal support.

Information Technology Engineer Intern

Gujrat Ambuja Exports Ltd., Ahmedabad, GJ India

June 2022 – Dec 2022

- Researched under the Power division how Power gets generated and at what statistics.
- Combined Cycle Gas Turbine (CCGT) technology and identified a 20% increase in electricity generation efficiency.
- Optimized and implemented SAP processing under the IT forecasting

PROJECTS & CERTIFICATIONS

LibraNexus: Next-Gen Library Management System

January 2025 – Present

Personal Project (Ongoing), San Jose State University

- Developing a lightweight library management system that focuses on core functionalities such as user authentication, book cataloging, and check-in/check-out operations.
- Using Python for backend logic and database interactions with SQLite alongside a GUI to provide an intuitive interface.

Arduino – GPS Tracking using C/C++ and Arduino IDE

May 2023 - August 2023

Vikram Sarabhai Space Centre, India

- Acquired Arduino programming and hardware interfacing. Understanding of GPS technology and its applications in real-world scenarios. Problem-solving skills through troubleshooting and debugging complex systems.
- Programmed in C/C++ within the Arduino IDE to integrate GPS modules and control LED indicators for location display.

EXTRACURRICULARS

IBM Z Student Ambassador

July 2024 – Dec 2024

IBM, United States

- Engaged with a global community of student ambassadors to foster technical skills, leadership, and community impact through various IBM learning resources and events

Software and Engineering Club (SCE), San Jose State University

May 2023 – April 2024

EP-PR Team Officer

- Coordinated campus Tech events, engaging 100+ students, and managing social media promotion.
- Collaborated with 200+ students to promote the club's mission and to enhance networking opportunities for Software and Engineering Club members.

“SiliconXhacks” Hackathon

May 2024

Ideas Club, San Jose State University

- Delivered a presentation on innovative solutions to real-world waste management challenges, emphasizing waste segregation, recycling awareness, and sustainable waste disposal practices, making great connections for impactful community engagement.