

Krish Jignesh Patel

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Aspiring Computer Science and Engineering student with hands-on internship experience in software development. Passionate about leveraging technical programming skills and effective communication to support technology companies in achieving their objectives.

EXPERIENCE & PROJECTS

Software Automation Engineering Intern- 2024 – Present

Analog Devices Inc. (ADI)

- Automated electrical devices used in testing procedures through wired and wireless communications via microprocessors, enhancing the efficiency of device testing.
- Designed and trained neural networks to automate device tester programs, utilizing TensorFlow, Keras, PyTorch, and Flask.

UCLA HiLab Undergraduate Researcher- 2024– Present

UCLA Samueli School of Engineering (Professor Yang Zhang)

- Employed C# and Unity with Oculus Quest VR Headset to advance XR Citizenship research, enabling multi-user interactions in a 3D mesh environment.
- Integrated real-life updates (e.g., Google Maps) and developed solutions for disaster recovery when physical site access is unfeasible.

Pingo (Software Construction Final Project)- 2023

Product Developer

- Developed backend features for Pingo, a social media app where users engage in picture-based bingo prompts and share with friends.
- Implemented Node.js, React Native, Postman (for route testing), and NLP models for prompt generation.

IntelliTrip and Vera (La Hacks)- 2023-2024

Backend Developer

- Created an AI-powered itinerary web app offering detailed daily guides based on user preferences, including restaurants and tourist attractions.
- Developed a gamified plant-identification app featuring multi-user compatibility and interactive flora discovery.
- Utilized Flask, Cohere API, Python, JavaScript, HTML, and CSS.

Software Engineering Intern- 2021-2022

Robotics For All Inc.

- Developed an online platform for teaching Data Science with Python and designed a collaborative curriculum for over 50 middle and high school students.
- Managed database creation, user authentication, and online learning engagement.

Emerging Tech Entrepreneurship Program- 2019-2022

San Jose City College

- Earned certification in various Computer Information Systems courses, including MITx 6.0.1 (Introduction to Python), UC Berkeley DATA08 (Foundations of Data Science with Python), SJCC CS 084 (Introduction to Java), CIS 054 (Introduction to C and C++), BUS 068 (Small Business Management), and CIS 108 (Internet of Things with Renesas & Microfacturing Institutes).

EDUCATION

UCLA , Los Angeles, CA- 2022-Present

Bachelor's in Computer Science and Engineering

- Awards: Dean's List (2022-24) (awarded to top 15%), UCLA Introductory Rockets Certification, IEEE Micromouse Certification, ACM Hack Best Overall Project 2022, Senior Standing(175+ units)

SKILLS

- **Programming Languages:** Python, Java, C#, JavaScript, HTML, CSS
- **Technologies & Frameworks:** TensorFlow, Keras, PyTorch, Flask, Node.js, React Native, Unity
- **Areas of Expertise:** Data Structures and Algorithm Design, Operating Systems, AI/ML, Neural Networks, Deep Learning, Computer Architecture, Software Construction, Networking, Logic Systems Design, Digital System Design