

# RUSHI PATEL

☎ 818-915-1846 ✉ [patel.rus19@gmail.com](mailto:patel.rus19@gmail.com) [in linkedin.com/in/rushi-patel-82406719b/](https://www.linkedin.com/in/rushi-patel-82406719b/) [github.com/rpatel0022](https://github.com/rpatel0022)

## Education

### University of California Riverside

*Bachelor of Science in Computer Science*

September 2022 – June 2026

*Riverside, California*

### Chatsworth Charter High School

*High School Diploma*

August 2019 – June 2022

*Chatsworth, California*

- Valedictorian

## Projects

### Intrinsic Value Calculator | *HTML, CSS, JavaScript*

May 2023 - July 2023

- Built a dynamic Intrinsic Value Calculator web app using HTML, CSS, and JavaScript to project 5-year stock valuations based on EPS, PE Ratio, Growth Rate, and Discount Rate.
- Integrated high-level financial APIs to automate real-time valuation predictions, streamlining investment analysis for non-technical users.
- Designed a clean, intuitive UI to translate complex financial models into actionable insights, increasing accessibility for a diverse user base.

### Shelfie Watcher | *Jetson nano*

March 2024 - June 2024

- Built an inventory management system using Jetson Inference and OpenCV, reducing manual stock checks by 60% through real-time object detection.
- Integrated Google Cloud Vision API and Firebase to enable text detection and centralized inventory tracking, improving stock accuracy.
- Implemented an automated email alert system via Pub/Sub API for low-stock notifications, minimizing supply shortages.

## Work Experience

### ITS Multimedia Operator | *Student Operator*

September 2023 - Present

- Provide technical support for 15+ classrooms and event spaces, ensuring 99% uptime of AV systems (PCs, projectors, smart displays, microphones) through proactive setup and live troubleshooting.
- Resolved 100+ on-site technical issues (HDMI, audio, display) with <5 min response time, reducing instructor disruptions and ensuring smooth class operations.
- Spearheading development of an AI-powered support chatbot to assist new operators with common tasks, projected to reduce onboarding time by 40% and improve first-time fix rate.

### Mindtapp | *Software engineer intern*

July 2024 - Jan 2025

- Developed and fine-tuned a personalized AI chatbot using Gemini, enabling users to track goal progress and receive motivational feedback; boosted user return rate by 25%.
- Implemented a goal-based reminder and notification system using Google Firebase, increasing daily engagement and task completion consistency across users.
- Collaborated with product and psychology teams to integrate user-uploaded goal imagery into interactive game loops, reinforcing long-term motivation through behavioral design.

## Skills & Course Work

**Soft Skills:** Communication, Team Collaboration, Problem Solving, Adaptability, Initiative

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Computer Security, Machine Learning, NLP, Information Retrieval, Compiler Design, Big Data Management, Linear Algebra, Statistics

**Languages:** C++, HTML5, CSS, JavaScript, MySQL, Swift, Python, flutter

**Tools & Technologies:** Git, Linux, React, Jupyter Notebook, Google Colab, PyCharm, Visual Studio, MATLAB, Jetson Nano

## Leadership / Extracurricular

### Rose Hackathon

January 2023

*Team Lead*

*University of California, Riverside*

- Led a 4-person team to 1st place in the Sustainability track at Rose Hack (24-hour MLH hackathon).
- Developed a mental health app promoting goal awareness and sustainability using Figma for UI and JavaScript for interactivity.
- Designed a polished, user-centered frontend in Figma, improving accessibility and engagement.