

# Ronak Patel

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## EDUCATION

### San Jose State University

*Master of Science in Artificial Intelligence*

San Jose, CA

*August 2025 – May 2027 (expected)*

### University of California - Santa Cruz

*Bachelor of Science in Computer Science*

Santa Cruz, CA

*July 2023 – June 2025*

### De Anza College

*Associate's in Computer Science*

Cupertino, CA

*September 2021 – June 2023*

## PROJECTS

### Copark [copark.space](#) | TypeScript, Next.js, React, PostgreSQL, Docker, Gitlab

May 2025 – June 2025

- **Led 6-member team** in developing/deploying multi-portal parking platform (Driver, Enforcement, Admin), enhancing operational efficiency and user experience
- Designed/implemented robust **RESTful & GraphQL APIs**; integrated **Automatic Plate Recognition (APR)** for enforcement, improving accuracy and speed
- Engineered integrations for **Stripe (payments) & OAuth (driver authentication)**, boosting platform security and core capabilities
- Contributed to Agile sprints (planning, GitLab task tracking, code reviews) and **leveraged GitLab CI/CD pipelines** for automated build, test, and deployment
- Developed/executed thorough **unit & end-to-end (E2E) test cases** across vital workflows, significantly improving system reliability

### Movie Recommendation System | Python, NLTK, TensorFlow

December 2024

- Collaborated on an NLP-based movie recommendation system (4-member team) for a capstone project, applying machine learning principles
- Optimized feature extraction through engineered data preprocessing, including tokenization and lemmatization
- Evaluated TF-IDF and word embeddings for semantic representation, improving the relevance of movie recommendations
- Devised and applied cosine similarity for recommendation ranking, providing highly relevant content suggestions

## EXPERIENCE

### Cashier

July 2022 – Present

*Bay Area Auto Inc*

*San Jose, CA*

- Processed over 100 customer payments daily using a point-of-sale (POS) system, ensuring high accuracy and efficient checkout experiences
- Maintained a consistently clean and organized customer environment, directly contributing to positive shopping experiences and adherence to store standards
- Managed daily inventory tasks, including stocking and preparing sales/inventory reports, which ensured product availability and accurate record-keeping

### Teaching Assistant

September 2021 – September 2024

*Kumon Tutor Center*

*San Jose, CA*

- Provided individualized instruction and guidance in math and reading to students of varying ages and skill levels
- Monitored and tracked student progress diligently to ensure they achieved specific learning milestones and academic goals
- Delivered comprehensive administrative support to the instructor, including preparing materials and managing student records, ensuring smooth center operations
- Fostered a positive and encouraging learning atmosphere, which motivated students and helped them build confidence in their math and reading abilities

## TECHNICAL SKILLS

**Languages:** Python, C/C++, SQL (Postgres), TypeScript, HTML/CSS, Go, Java

**Frameworks:** React, Node.js, Material-UI, Next.js, Express.js

**Developer Tools:** Git, Docker, Google Cloud Platform, VS Code, Gitlab

**Concepts:** RESTful APIs, GraphQL, Unit Testing, End-to-End Testing, TCP/IP, Linux Administration