

# Vishal Patel

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## EDUCATION

### University of California, San Diego

*B.S. in Cognitive Science with specialization in Machine Learning and Neural Computation.*  
*Double Minor - Data Science and Finance*

**La Jolla, CA**

**Major GPA: 3.9**

Expected June 2025

- **Honors:** Provost Honors, Good Standing
- **Relevant Coursework:** Data Analytics, Data Science, Neurobiology, Finance, Accounting, Supervised Machine Learning, Artificial Intelligence, Unsupervised Machine Learning, SQL, Reinforcement Learning

## WORK & LEADERSHIP EXPERIENCE

### UCSD ITS Classroom Maintenance Assistant

**La Jolla, CA**

*Part-time Job*

November 2023 – Present

- Ensures that all lecture halls are ready with the surface wiped, touch screens responsive, microphone transmitter battery exchanged and provided with a spare full charge battery every day before 8AM
- Provide weekly maintenance for 40 classrooms to ensure technologies working properly and rooms are clean
- Decrease lecture hall trouble calls by at least 33%

### Trago Tech

**Los Angeles, CA**

*Intern*

July 2023 – September 2023

- Perform data wrangling to acquire data from a website and create a small dataset to be used for future modeling
- Prepare a small 50 observations dataset and use this dataset to create a predictive supervised learning model

### Auro Pharmaceuticals, Inc.

**La Habra, CA**

*Volunteer*

July 2022 - September 2022

- Developed a new process to eliminate bottleneck and increase production quantity by 20% per week
- Perform quality assurance and quality control through pressure testing on ointment container
- Create an info sheet to help customers easily access important websites and information for vaccines
- Create an excel sheet to speed up billing processing by 15% by easily providing a document where pharmacist can look up vaccination and identify proper billing information

### Boy Scouts of America

**Cerritos, CA**

*Senior Patrol Leader/Assistant Junior Scoutmaster*

- Led Boy Scout trip through various activities specially designed to teach all scout outdoor life skills; first aid, knots, fire building, safe knife use
- Directed out Boy Scout troop to attain a prestigious recognition award at a summer camp competing against 20 other troops
- Increased average troop meeting and outdoor excursion attendance by 23%
- Led an Eagle Project at a local municipal airport; raised \$220 by designing and carving custom-made wooden plaques to acquire all necessary parts and provide lunch for volunteers

### Office of Student Disability

**La Jolla, CA**

*OSD Note Taker*

Sept. 2021 – Dec. 2021 | Sept. 2022 – Dec. 2022

- Took notes during lecture three times a week for the entirety of a quarter
- Provided around 60 notes for a student registered with OSD, who is not able to write down notes

## CERTIFICATIONS

- Machine Learning by Stanford University & DeepLearning.AI on Coursera earned on August 14, 2023
  - **Unsupervised Learning, Recommenders, Reinforcement Learning:** Principal Component Analysis, Clustering, Collaborative Filtering
  - **Advanced Learning Algorithms:** Decision Trees, Multiclass Classification, Artificial Neural Networks, SoftMax
  - **Supervised Machine Learning:** Regression, Classification, Gradient Descent, Logistic Regression
- Python (Basic) on HackerRank earned on October 9, 2023
  - Scalar types, Operators and Control Flow, Strings, Collections and Iteration, Modularity, Objects, Types & Classes

## TECHNICAL SKILLS

**Languages:** Java, Python, Basic HTML, SQL

**Developer Tools:** Git, VS Code, IntelliJ, Sublime Text, Jupyter Notebook

**Libraries:** pandas, NumPy, Matplotlib, Sci-kit learn, Tensor Flow, Flask, spacy

## ACTIVITIES & INTERESTS

**Awards:** Eagle Scout Award

**Activities:** Project RISHI (UCSD) – Committee Member, DS3 (UCSD) – General Member

**Hobbies and Interest:** Gardening, Carpentry, Golf