MAYA N. PATEL

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EDUCATION

University of California, San Diego   La Jolla, CA
B.S., Mathematics-Computer Science   Expected June 2026
Minor in Cognitive Science
GPA: 3.91
Societies: Women in Computing, Association for Computing Machinery (ACM), Rewriting the Code

ECornell, online certificate in Machine Learning Foundations   August 2024

PROFESSIONAL EXPERIENCE

Level Data   Remote
AI Studio Fellow   August 2024 - December 2024
· Collaborated in a team of 4 to identify which factors contribute the most to student proficiency in order to aid educators in supporting their students with the most effective resources.
· Leveraged Python's scikit-learn, Pandas, NumPy, Matplotlib, and Seaborn libraries to develop unsupervised clustering models that extract patterns in education data and to visualize findings.
· Utilized insights from clustering models to select features and build models that predict student proficiency with over 70% accuracy. (https://github.com/level-data-1a/predicting-proficiency)

University of California, San Diego   La Jolla, CA
Reader   October 2023 - March 2024
· Assessed MATLAB programming assignments for 1000+ students in linear algebra course at UCSD.
· Provided written feedback on MATLAB assignments and answered students' questions to promote their understanding of both programming and linear algebra concepts.

LEADERSHIP EXPERIENCE

Break Through Tech, *Fellow*   May 2024 - Present
· Selected from 3000+ applicants for the Break Through Tech program with Cornell Tech.
· Participant in a year-long program including ML/AI coursework with UCLA and Cornell faculty, industry project experience, and leadership development workshops with industry professionals.
· Strengthened skills in data analysis, implementing ML models, and visualizing results using Python.

Sparkling Hearts Foundation (SHF), *Website Designer*   September 2020 - July 2022
· Volunteered as a board member for SHF, a student-led nonprofit supporting hospital patients.
· Developed and launched SHF's website using Webflow, creating an accessible site to convey the organization's mission and promote user access to volunteer and donation opportunities.
· Coordinated more than 15 fundraisers with the SHF team, raising over $2,000 to support patients.

SKILLS

Programming Languages: Java, C, C++, Python (Pandas, NumPy, scikit-learn, Matplotlib)
Tools: Linux, Git (GitHub), Jupyter Notebooks, Visual Studio Code, GDB, Valgrind, Microsoft Office
Coursework: Advanced Data Structures, Design and Analysis of Algorithms, Systems Programming & Software Tools, Graph Theory, Multivariable Calculus, Probability, Linear Algebra