





Tanisha Patil

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A collaborative student pursuing a position in the field of machine learning . Seeking to utilize acquired skills in data analysis, statistical modeling, and programming languages to support data-driven decision making and contribute to positive social impact.



Education

Del Norte High School, Class of 2025
Mira Costa College - Data Structures I, Spring 2022
Google Data Analytics Certificate, Spring 2022

GPA

3.98 UW, 4.4 W

SAT

800 Math , 750 Reading
1550 Composite

AP/Honors Courses & Scores

Music Theory (5), Calculus AB (5), Chemistry (5),
Computer Science Principles (5), English Language,
Calculus BC, Computer Science A,
Physics Mechanics C
Honors Engineering Principles
Honors Medical Interventions

Service - 100+ hours

Science Olympiad Event Head Coach
FIRST Lego League Head Coach
Volunteer Piano Teacher
US Youth Ambassador - Stroke Support India

Awards

2023 AP Scholar with Distinction
2024 Mission Federal Credit Union -
National Scholar Captain Distinction
Summer 2022 Inspirit AI -
AI Project Pitch Winner
Summer 2021 Potomac Debate -
2x Public Speaker Award
Spring 2023 Technovation App Challenge -
International Quarterfinalist
2019 - Present Science Olympiad -
3x State Champion (Helicopters, Astronomy, Fossils)
41 Regional/Invitational Medals
Spring 2023, DECA SoCal CDC Business Administration -
Gold Finalist
2024 Del Norte HS Character Recognition -
Outstanding Computer Science Student
Piano - CM Level 10
2021-2024 Varsity Athlete - Field Hockey

Professional Experience

UPenn Machine Learning Research / Research Mentee

Conducted independent research on Stanford's SKIPP'd dataset, regarding forecasting solar panel output voltage given weather imaging data under the mentorship of University of Pennsylvania researchers. Wrote and in the process of publishing a research paper.

WelliQ Company / Data Science Intern

Utilized SQL for data management tasks at WelliQ startup. Contributed to the development of a Natural Language Processing (NLP) model for the surveying platform. Developed and executed over 200 test cases, providing detailed fault reports and actionable solutions to the backend team, facilitating smoother development processes for leads.

Poway Unified School District IT Department / Student Lead

Surveyed and identified inequitable access to computer science classes for low-income students lacking personal devices. Initiated AI-driven virtual machine solution, developing Terraform scripts for KASM server management. Projected \$100,000 savings over 5 years, increasing accessibility for ~10,000 students. Presented findings to school district professionals for integration into schools.

Girls in Computer Science / President

President of Girls in Computer Science club at Del Norte. Organized and led a Python/Sprite Animation workshop with 70 elementary/middle school girls. Organized bi annual hackathons across the community. Arranged multiple panels of professionals with hundreds of high school students in attendance. Led my club team through app challenges such as the Technovation challenge, winning international quarterfinalist award.

Night at the Museum Showcase / Standout Participant

Honored as standout participant at Del Norte's tri-annual computer science showcase for developing a model utilizing computer vision to detect human emotion, promoting the use of ethical technology and sentiment analysis in diagnosing mental health conditions.

GirlCon National Conference / National Logistics Head

National Logistics head for GirlCon National conference. Organizing speakers for the conference to be held in June with 3500+ attendees coming from 35 countries. Communicating with multiple industry professionals to act as guest speakers at the conference, held this year at Google HQ.

Del Norte Highschool Coding Society / Internship

Intern in Del Norte's coding society under John Mortensen. Created AI based lesson plans and assisted with Java based game development lessons for the new computer science curriculum.

Freelance Website Developer

Developed and maintained 3 websites for school clubs including The Write Times Newspaper, Girls in CS, and UI Matters. Also developing an online store application for a client's clothing resale brand.