

# RAUNAK MONDAL

## CONTACT

☎ 858-923-6909  
in linkedin.com/in/raunakmondal1  
✉ raunakmondal07@gmail.com  
🐙 https://github.com/raunak2007

## EDUCATION

### DEL NORTE HIGH SCHOOL

Took AP Computer Science Principles, AP Computer Science A, AP Calculus BC, AP Statistics, AP Calculus AB

2021-2025

## SKILLS

→ Full-Stack Development  
→ Frontend Development  
→ Scrum/Agile Methodology  
→ Machine Learning  
→ Python  
→ Javascript  
→ Java  
→ HTML

## EXPERIENCE

### RESEARCH INTERN

2022- 2024

University of California, San Diego

### CONTENT CREATOR

2023 - Present

Nighthawk Coding Society

## HONORS AND AWARDS

- Top 50 nationally in the 2023 ARML (American Regions Mathematics League) individual round.
- 4-Time American Invitational Mathematics Exam (AIME) Qualifier.
- Placed 21st in the Harvard MIT Mathematics Tournament Guts Round as a team.
- 2nd place award in Southern California Science Olympiad, 2023 at Caltech.
- Highest AMC 12 score in the entirety of Del Norte High School and Distinction Awarded (top 5% in the nation)
- 1st place in San Diego MATHCOUNTS competition

## PROJECTS

### RESEARCH INTERN, UCSD UJIMA SECURITY & PRIVACY LAB

March 2023-Present

Co-authored two academic papers on ableism in research and social media, created a dataset for the analysis of ableism in research and social media, implemented and developed large language models, and played a role in restructuring data for a paper on autism.

### STUDENT RESEARCHER, UCSD MRSEC

June 2022-Present

Worked on project "Blow spinning of silicon-embedded carbon nanofibers as Li ion battery anodes", which was presented at the 2022 UCSD Summer Research Conference (SRC). Also used machine learning and data science concepts to research the optimal SPF of various materials under the San Diego Nanotechnology Institute Machine Learning training program. Currently working to create a magnetic-self assembly computational simulation.

### CURRICULUM DEVELOPER, NIGHTHAWK CODING SOCIETY

June 2023-Present

Worked on updating the template Github repositories used by hundreds of computer science students at Del Norte High School to allow users to use Visual Studio Code and Docker as an instant development environment. Also created a guide for using machine learning tools for advanced projects.