

# **Raunak Mondal**

## **Del Norte High School**

Github link: <https://github.com/raunak2007> , (858)-923-6909, raunakmondal07@gmail.com

### **Honors/Awards**

- Top 50 nationally in the 2023 ARML (American Regions Mathematics League) individual round. 6<sup>th</sup> place nationwide as a team in ARML 2024.
- Accepted into prestigious summer program - Stanford University Math Camp (SUMac)
- 2nd place award in Southern California Science Olympiad, 2023 at Caltech.

**Skills:** Proficiency in Python, Java, HTML, Machine Learning Models, Full-Stack Development including scrum methodology.

### **AI/ML Research Experience**

- Detected autism through behavioral videos of children using model called long short-term memory networks.
- Implemented a mechanism to detect ableist text in social media using LLM and prompt engineering.

### **High School Projects:**

- **RECS Travel Website**

As scrum master of the RECS Travel Website Team, managed and coordinated a 4-person team to develop a more user-centered version of Expedia with multiple features, such as writing blog posts about various destinations, finding the nearest airport to a given city.

**Github link:** <https://github.com/raunak2007/RECS-repo>

- **Iowa Hawkeyes Farming Website:**

Created a feature in the Iowa Hawkeyes Farming Website that allows users to bet on the actual fantasy points of a player during a game, which can either add or subtract to the cash that they have allocated in the entire Iowa Hawkeyes Farming system.

**Github link:** <https://github.com/Del-Norte-Farmers-Iowa-Hawkeyes-Fanclub/IHF-Project-Frontend>

- **Physics Arcade**

Implemented a simulation of the solar system using fundamental concepts.

**Github link:** <https://github.com/raunak2007/csptri3>

- **A-Reel Project**

Worked with a team to create a productivity-oriented website like Notion and Trello that could create GPT-generated summaries of notes.

**Github link:** <https://github.com/A-REEL/a-reelB>