

# Ansh Mujral

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## EDUCATION

**University of California, San Diego**

Fall 2022 - Present (Expected Grad: June 2025)

**B.S. Data Science**

GPA: 3.81/4

*Relevant Coursework:* Data Structures, Foundations of Data Science, Graph Theory, Introduction to Data Management and Data Visualization, Interaction Design, Linear Algebra, Probabilistic Modeling and Machine Learning, Probability and Mathematical Statistics in Data Science, Systems for Scalable Analytics,

## SKILLS

Algorithms, AWS, Data Analytics, Data Structures, Git, HTML/CSS, Java, JavaScript, Python, R, SQL, Spark, Pandas, Scikit-Learn, NumPy, Supervised Learning, Natural Language Processing, Relational algebra

## Professional Experience

**Little Tots Family Daycare | Website Director**

June 2023 - Dec 2023

- Creating a website that serves as a means of communication for a local daycare
- Contains essential dates, messages, contacts, and the mission statement
- **Technologies Used:** HTML, CSS, JavaScript, Bootstrap

**Vigyanix Inc. | R&D Intern**

August 2015 - August 2022

- Helped research and develop an external blood pressure app that monitors one's vitals
- Tested the functionality of the Vitals application
- Caught and fixed bugs in the log-in page of the application along with the chart of the vitals
- **Technologies Used:** HTML, CSS, JavaScript, TestFlight

## PROJECTS

**Valorant EDA**

Jan 2024 - Present

- Used Valorant Tournament Data to determine the skill gap between regions, and if the skill gap has leveled out
- Used multiclass classification to see if the region can be predicted by individual player performance and performed A/B tests to find statistically significant outputs between the regions to determine skill gap (ANOVA Hypothesis Test)
- **Technologies Used:** Pandas, Python, NumPy, Scikit-Learn, Seaborn, Matplotlib

**Major League Baseball Strikeout Prediction Model**

March 2023 - Present

- Utilized pitcher Strikeout/9 and team strikeout/9 data from the 2023 MLB season to create a prediction model
- Predicted the number of strikeouts a pitcher will throw in their next game against a specific team
- Used the data from the model to compare with sportsbook lines to find value (75% hit rate)
- Expanding to NBA/NFL/NHL
- **Technologies Used:** NumPy, Pandas, Python

**Food Recipe and Rating Model**

Sept 2023 - December 2023

- Performed data cleaning, EDA, missingness tests, and A/B testing on the Recipes and Rating Dataset
- Created and tested a classification model using a pipeline to determine the rating of a recipe
- **Technologies Used:** NumPy, Pandas, Python, Scikit-Learn

## LEADERSHIP & EXTRACURRICULARS

**Boy Scouts of America | Eagle Scout, Patrol Leader, Member**

Aug 2015 - August 2022

- I garnered the rank of Eagle Scout on 11/06/2020
- As Patrol Leader, organized meetings and campouts as well as helped increase the rank of all 6 members of the patrol
- As a Life Scout, I completed my Eagle Project of reupholstering benches at my local Hindu Temple

**WHS DECA | Member, Website Director, Voting Delegate, President**

Sept 2018 - June 2022

- Created the WHS DECA website using HTML, CSS, and JavaScript which included home, legacy, and resources pages
- Served as the WHS DECA 2021-2022 President and WHS DECA 2020-2021 website director

## AWARDS & INTERESTS

**Awards:** Most Improved Player (JV Basketball), Student-Athlete Certificate, Eagle Scout, Provost Honors

**Interests:** Basketball, Hip-Hop Music, Poetry, Stock Market, Card Collecting, and Community Service

**Last Updated:** Mar 2024