

# ARYAN KANUPARTI

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## EDUCATION

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Bachelor of Science in Data Science  
University of California, San Diego, CA

09/2023 - 04/2026

## EXPERIENCE

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Anica Inc- Data Engineering Intern

06/2024 - Present

- Completed all 4 levels of Celigo's ( cloud-based application integrating platform) certification.
- Participating in daily stand-ups that facilitate progress on our custom vision web app deliverable.
- Developed and debugged 5+ Java methods that interface with APIs to support a custom vision model webpage, optimizing tools for drip inspectors in the utility field.
- Perform unit testing of over 10+ endpoints and end-to-end testing of the final android app.

UCR Solar Car- Driver Interface Team Member

09/2022 - 06/2023

- Solar Car is a subdivision of IEEE(The Institute of Electrical and Electronics Engineers) at UCR
- Work alongside 10+ developer team to create QT C++ GUI application to manage vehicle vitals.
  - Develop wireless telemetry to transmit and receive radio data for Grafana visualization.
  - Improve code readability and reduce the amount of code whenever possible.
  - Participated in a 4 week-long SCRUM sprint to create a club website via React and Tailwind CSS.

## PROJECTS

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Holiday Foods Versus Non-Holiday Foods: Nutrition and Ratings Research

12/2024

- Analyzed 100,000+ blog recipes, merging multiple datasets to identify similarities and differences between holiday and non-holiday foods in the nutrition and consumption of holiday foods.
- Tested the effect of the holiday season on recipe ratings, hypothesizing that recipes submitted during holidays may be rated more favorably due to seasonal trends and sentiment.
- Built a baseline model that predicted the rating of a recipe based on fat, sugar, calories and whether it was posted during the holiday season. Improved the model by 40% via probabilistic imputation, log-transformation of skewed features, and hyperparameter tuning

GitHub Link: <https://aryan-kanuparti.github.io/holiday-food-analysis/>

Healthcare Access and Quality Across the United States- Research Project

02/2024

- Conducted comprehensive data cleaning, wrangling, and aggregation across multiple large datasets (over 500,000 observations) to analyze healthcare accessibility and various quality disparities.
- Executed OLS regression on normalized demographic data, revealing significant correlations such as a negative relationship between Black or African-American populations and healthcare access ( $p = 0.021$ ) and a positive correlation with Hispanic populations ( $p < 0.001$ ).
- Processed and visualized data from 1,500+ hospitals, using boxplots, t-tests, and geospatial maps to uncover statistically significant differences in care quality between FHA-funded and non-funded hospitals ( $p = 0.027$ ) and highlight regional disparities, particularly in the East Coast.

GitHub Link: <https://github.com/Aryan-Kanuparti/Group69-Winter24-Final-Project/tree/main>

## LANGUAGES/SKILLS

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C++, Python, Pandas, Java, SQL, OOP, Celigo Integration Platform, Tailwind CSS, Azure