# Sai Priyanka Iragavarapu

(925) 577-9712 | chary.priyanka@gmail.com | San Francisco Bay Area, CA

## EDUCATION

**University of California, Los Angeles** — Los Angeles, CA
*B.S. Statistics and Data Science, B.A. Economics, Minor in Mathematics* — *Expected Jun 2024*
- GPA: 3.98/4.00; *Selected Courses:* Data Science for Economists, Time Series Analysis, Design of Experiments
- *Honors:* UCLA Asian Pacific Alumni Scholarship, Dean's Honors List, National Merit Finalist

## WORK EXPERIENCE

**BlackRock** — San Francisco, CA
*Quantitative Research Intern – Systematic Active Equity* — *Jun 2023 – Aug 2023*
- Developed a trading strategy for asset futures by forecasting economic surprises, focusing on inflation and bonds
- Designed random forest and ridge models (sklearn), using learning/validation curves to aid hyperparameter tuning
- Organized a workflow for future research that aggregates ~50 models, each with unique features, to build a signal
- Implemented proprietary diagnostics and SHAP plots to evaluate signal performance and feature importance

**Rocket Lab** — Long Beach, CA
*Supply Chain Analyst Intern* — *Jul 2022 – Sep 2022*
- Identified 50+ areas of opportunity for supply chain to reduce costs by tracking price trends in Bill of Materials
- Streamlined main product's cost estimate with 97% accuracy by aggregating data with SQL and Excel (Xlookups)
- Collaborated with finance, engineering, and production to quantify supply chain's impact on cost of goods sold

**Bluebonnet Data** — Los Angeles, CA
*Political Data Fellow* — *Jan 2022 – May 2022*
- Designed a Tableau heat map overlaying demographic data to support down-ballot campaign's climate initiatives
- Identified 500+ potential donors by creating a reusable R script to cross-reference data from multiple sources
- Illustrated election results in R (ggplot2, dplyr) to evaluate campaign performance to inform future GOTV efforts

## LEADERSHIP & ACTIVITIES

**UCLA MoneyThink** — Los Angeles, CA
*Co-President; previously Co-Vice President of Curriculum* — *Oct 2020 – Present*
- Guided team of 7 to design 8+ PowerPoint decks and weekly lesson plans our mentors teach 5+ times biweekly
- Taught ~ 90 high school students personal finance topics such as student loans, building credit, and paying taxes
- Drafted 3+ pamphlets using Canva about retirement accounts and investing to distribute to local resource centers

**Data Resolutions at UCLA** — Los Angeles, CA
*Project Lead* — *Apr 2023 – Jul 2023*
- Headed team of 6 to build an OCR model detecting wine labels for client's wine/food recommendation model/app
- Tested open-source packages (Pytesseract, OpenCV) and image processing techniques to adapt for our use case
*Data Consultant* — *Sep 2022 – Dec 2022*
- Explored Zillow home descriptions with Python's textstat package and clustering/feature selection methods
- Delivered a dashboard built with Streamlit allowing users to input home descriptions to compare with best-selling

**Personal Project** — Los Angeles, CA
*Data Science* — *May 2022 – June 2022*
- Built an NLP sentiment analysis model for movie reviews employing logistic regression and tree-based methods
- Refined model to attain 87.4% test accuracy, within 3% of Stanford researchers we sourced our data from

**Las Positas College** — Livermore, CA
*Undergraduate Researcher, Business Law* — *Sep 2019 – May 2020*
- Investigated a $50B biotech company's negligent marketing and its failure to conduct carcinogenicity studies
- Synthesized evidence from case documents, trial exhibits, and journal articles to produce a 15-page report
- Invited to present research at the selective 2020 Bay Honors Consortium's Honors Research Symposium

## ADDITIONAL

*Skills:* Python (Pandas, NumPy, Scikit-learn), R, SQL, MS Suite (Excel, PowerPoint), Telugu (native), Hindi (native)
*Interests:* Kayaking, Bharatanatyam dance, Stand-up comedy, South Asian mental health advocacy, Cheesecake