Soomedha Vasudevan

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github.com/soomedha-v

Education

University of California, Los Angeles, BS in Statistics and Data Science — Sept 2022 – June 2026

- Minor in Accounting
- GPA: 3.88/4.0
- **Coursework:** Data Analysis, Probability and Statistics, Accounting Principles, Economics, Accounting, Computer Science

Experience

Data Consultant Lead, Bruin Sports Analytics – Los Angeles, CA — Oct 2023 - Present

- Led a team of 5 individuals through a complete product cycle of data cleaning, programming, analysis, and report generation to build 2 professional reports per quarter for UCLA D1 men and women Tennis Teams.
- Analyzed sports performance using Python and SQL to create datasets for the UCLA D1 Tennis Teams.
- Developed Tableau dashboards and Excel tools to automate performance summaries and player profiles.
- Delivered actionable insights through collaborative team presentations and reports.
- Scraped and processed datasets to identify sports trends, publishing analytical findings backed by regression and machine learning models.

Data Analyst Intern, iQor – Remote — June 2024 - Sept 2024

- Reduced employee turnover by developing predictive models to optimize onboarding, training, and decision-making processes for 40,000+ BPO employees.
- Identified key drivers of employee turnover by leveraging Snowflake, large language models and SQL to analyze quarterly survey responses.
- Enhanced product outcomes by working in a cross-functional team to analyze customer service processes and recommended AI-driven solutions; increasing efficiency across 5+ major client accounts.

Projects

Air Pollution and Climate Change Analysis Project — Jan 2025 – Present

Research Assistant, Coastal Dune Vegetation Mapping Research – Los Angeles, CA — Jan 2025 - Present

- Digitized and organized coastal data from raw data sheets into digital Microsoft Excel sheets for analysis.
- Performed exploratory data analysis using R to determine geographic trends and find discrepancies in data.
- Processed different information separated by tracts and used a 3D drone data visualization map to classify different plants based on near-infrared light wavelengths and overall shape.

Research Assistant, Air Quality in Senegal Research - Remote — June 2024 - Present

- Designed machine learning models (e.g., decision trees, random forests) to identify drivers of air pollution with a 72% accuracy rate.
- Utilized Python and R for data cleaning, hypothesis testing, and statistical analysis.
- Applied principal component analysis (PCA) to optimize feature selection for predictive modeling.

Skills

R, Python, SQL (Postgres), C++, HTML	Programming Languages
Tableau, Figma, Canva, Overleaf	Visualization
Scikit, Pandas, NumPy, Matplotlib, Geopandas	Libraries