KAMALA PILLAI

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EDUCATION

UCLA ANDERSON SCHOOL OF MANAGEMENT Los Angeles, CA
Master of Science in Business Analytics (MSBA) Expected December 2021

- Anderson Merit Fellowship Award
- Data Management, Statistical Foundations for Analytics, Machine Learning, Business Fundamentals

UNIVERSITY OF CALIFORNIA, BERKELEY Berkeley, CA
BS in Bioengineering, Minor in Computer Science and Electrical Engineering May 2020

- Statistics and Forecasting, Optimization Models, Concepts of Probability, Data Structures

TECHNICAL SKILLS

Languages: Python (scikit-learn, pandas, tensorflow, keras), R (shiny, caret), SQL, C++, Java, JavaScript, MATLAB
Software: Tableau, Adobe Analytics, Excel, PowerPoint
Analytics: Data Cleaning, Feature Engineering, Regression/Classification Algorithms, Data Visualization, Interpretation

PROFESSIONAL EXPERIENCE

GENENTECH, INC. South San Francisco, CA
Predictive Analytics Intern May 2019 – Dec 2019

- Queried vast clinical trial data sets using SQL and modeled data in a Tableau dashboard, accelerating decisions by allowing Clinical Trial Leaders to easily understand data and visualize trends.
- Led meetings with study leaders to identify key study startup metrics for successful clinical trials, standardizing decision-making and informing development of Tableau dashboard to track these metrics.
- Won 1st place in company-wide intern poster exhibition with over 200 intern participants, presenting on predictive analytics tools for early clinical development.
- Managed two dashboard development teams and communicated technical insights to higher level management teams, creating an interface between technical and business operations.
- Collaborated with external providers to obtain up-to-date market research data, creating exhaustive competitive benchmarking and drug information tabs in Tableau dashboard.

ANALYTICS PROJECTS

HUMANA-MAYS HEALTHCARE ANALYTICS COMPETITION Sept 2020 – Nov 2020

- Analyzed patient data sets with over 800 features to predict and understand causes for transportation challenges.
- Developed transportation solutions to enhance and improve upon current insurance product strategies and create sustainable business model.
- Won third place for accurate Gradient Boosting Tree model and actionable recommendations out of over 300 teams nationally.

NIKE ADOBE ANALYTICS COMPETITION Sept 2020 – Oct 2020

- Leveraged Adobe Analytics software to analyze Nike website visit data to build holistic view of new consumers.
- Compiled findings and recommendations for Nike business strategy and website UI based on analysis.

ENGINEERING STATISTICS AND FORECASTING PROJECT April 2020

- Demonstrated knowledge of glmnet and caret libraries to implement OLS, Ridge Regression, Lasso Regression, and Elastic Net for modeling wine quality in R.

OPTIMIZATION MODELS IN ENGINEERING PROJECT April 2020

- Implemented and compared Gradient Descent, Momentum Gradient Descent, Nesterov's Accelerated Gradient Method, and Adaptive Gradient Method for minimizing objective in Python. Used matplotlib for plotting results.