

KAMALA PILLAI

(408) 439-6839 / kamala.pillai.2022@anderson.ucla.edu | linkedin.com/in/kamala-pillai | github.com/kpill | US Citizen

EDUCATION

UCLA ANDERSON SCHOOL OF MANAGEMENT

Los Angeles, CA

Master of Science in Business Analytics (MSBA)

Expected December 2022

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

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, Gurobi, TensorFlow), R (shiny, caret), SQL, C++, Java, JavaScript, MATLAB

Software: AWS, Tableau, Adobe Analytics, Excel, PowerPoint

Analytics: Data Cleaning, Feature Engineering, Regression/Classification Algorithms, Data Visualization, Interpretation

PROFESSIONAL EXPERIENCE

OHANA ONE

Los Angeles, CA

Data Analytics Intern

June 2022 – Present

- Converting data into graphs, pinpointing problems in mentee surgeons' techniques, and focusing on solutions.
- Building machine learning algorithm for mentor/mentee pairs' status, identifying key criteria for inactive users.

GENENTECH, INC.

South San Francisco, CA

Predictive Analytics Intern

May 2019 – Dec 2019

- **Created interface between technical and business operations**, managing two dashboard development teams and communicated technical insights to higher level management teams.
- **Obtained up-to-date market research data** with external providers, creating exhaustive competitive benchmarking and drug information tabs in Tableau dashboard.
- **Iterated Tableau dashboard to track metrics** and updated multiple teams' needs, leading meetings with study leaders to identify key study startup metrics for successful clinical trials.
- **Accelerated decision-making** by allowing Clinical Trial Leaders to easily provide data visualization trends, using SQL and Tableau dashboard to query vast lung cancer clinical trial data.

Awarded 1st place in company-wide intern poster exhibition with over 200 intern participants.

PROJECTS

DATA MANAGEMENT - UCLA

Mar 2022

- Requested Auto Rescue platform app to see motorist accidents and road technicians in the area.
- Proposed architecture for system, filtering data using SQL and mapping road hotspots with Tableau dashboard.

MACHINE LEARNING FOR DECISION MAKING (PYTHON) - UCLA

Dec 2021

- Built Convolution Neural Network model to test on fashion dataset images, minimizing categorical cross loss.
- Built Autoencoder model, minimizing reconstruction error while compressing fashion data.

HUMANA-MAYS HEALTHCARE ANALYTICS COMPETITION (3rd PLACE)

Sept 2020 – Nov 2020

- **Analyzed patient data sets with over 800 features** to predict and understand challenges with missed appointments due to transportation.
- **Developed Gradient Boosting Tree model in Python** to assess transportation solutions to enhance and improve upon current insurance product strategies and create sustainable business model.

Awarded 3rd place for model accuracy & actionable recommendations out of over 300 teams nationally.

NIKE ADOBE ANALYTICS COMPETITION

Sept 2020 – Oct 2020

- Used Adobe Analytics software to analyze Nike website visit data to build holistic view of new consumers.
- Recommended UI improvements to increase potential customers, presenting to the Nike Business Strategy Team.