Raghav Arora

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LinkedIn Profile | GitHub Page

EDUCATION

California Polytechnic State University, San Luis Obispo, CA　　　　　　　Graduation Date: June 2023

Master of Science: Business Analytics

Bachelor of Science: Business Administration | Financial Management | Economics

Dean's List, Accounting Excellence, Diversity and Inclusivity Chair, Bilingual (Hindi)

WORK EXPERIENCE

Engie North America Inc. – San Luis Obispo, CA　　　　　　　　　　　　　　Jan 2023 – Present

Analytics Consultant | Modeled Engie's power flow of the grid related to MISO regions.

- Built models to predict capacity factors at different locations on the energy grid using R
- Created visualizations of energy generation across different power plants using Tableau and ggplot2
- Analyzed how proposed future projects would impact the energy grid in order relieve congestion

Robert Kennedy Library – San Luis Obispo, CA　　　　　　　　　　　　　　Sept 2022 – Present

Data Analytics Assistant | Managed Cal Poly's writing and learning center's athletic student database.

- Utilized R and advance MS Excel techniques to clean and wrangle large datasets for processing with regards to payroll and attendance
- Optimized client record management to generate weekly ad hoc reports to present attendance insights

Bankers Life – Long Beach, CA　　　　　　　　　　　　　　　　　　　　Sept 2021 – June 2022

Financial Sales Analyst | Assisted senior clients with four factors affecting assets: retirement income, health expenses, extended care and final expenses.

- Utilized investment analytics and portfolio management to provide clients with the best mix of assets
- Evaluated company CRM with regards to Hearsay, Facebook & YouTube ads, Direct Mail and Cold Calling to provide marketing insights

BakBone Inc. – San Luis Obispo, CA　　　　　　　　　　　　　　　　　　June 2019 – July 2020

Accounts Analyst Intern | Analyzed several business accounts including financing, accounting, assembly, packaging and shipping of BakBone product.

- Used QuickBooks to better record incoming purchase orders, verify budget and realize productions costs
- Processed and invoiced four different purchase orders including the sale of over 300 BakBone products, realizing an income of $8,985

RAMCO Steels Pvt. – Faridabad, India　　　　　　　　　　　　　　　　　June 2018 – Aug 2018

Analyst Intern | Used Lean Six Sigma to analyze production and supply of machined parts in their delivery cycle.

- Reduced errors in delivery system by applying 5S techniques to organize and automate delivery
- Performed Lean Manufacturing analysis on the employees' movements through direct time studies, pareto charts, and flow diagrams to optimize supply chain and reduced delivery time by 2.35 seconds per part

ANALYTICS PROJECTS

Kaggle – Classification Modeling   Oct 2022 – Dec 2022

Conducted predictive classification modelling and performance evaluation for several models used to predict the political affiliation (target variable) of random U.S citizens.

- Administered EDA using Tidyverse and ggplot2 in R Studio to discover the best predictors of political affiliation with regards to correlation on the training dataset
- Built, trained, tuned and tested classification models including logistic, KNN, random forests, LDA, QDA and SVM, to best predict the political affiliation of a random U.S citizen in terms of accuracy
- Achieved an accuracy of 65.08 % using a tuned LDA model on the validation dataset (top 5% in the world)

Writing & Learning Center – Database Management   Sept 2022 – Dec 2022

Created a SQL database for the Writing and Learning center at the California Polytechnic State University in San Luis Obispo to better manage their tutoring system.

- Defined business rules and cardinality in order to design a normalized Enhanced Entity-Relationship (EER) diagram, which was further used to create a logical design for the SQL database
- Populated and integrated the SQL database for the center's tutoring system in order to better query records for analysis and attendance insights using MYSQL

LEADERSHIP & INVOLVEMENT

Nu Alpha Chapter of Kappa Sigma – Diversity & Inclusivity Chair   Jan 2018 – July 2020

Provide oversight in the development and review of guidelines that pertain to the Interfraternity Council and ensure professional development of the Kappa Sigma fraternity.

- Hosted and attended two workshops each quarter to raise awareness about the necessity of diversity & inclusivity at Cal Poly
- Collaborated with organizations in the PHA, IFC and USFC council to create a comprehensive set of diversity and inclusivity guidelines for Cal Poly and all its members

Nu Alpha Chapter of Kappa Sigma – Philanthropy Lead   Sept 2018 – June 2019

Organized and hosted: The 4th annual Bootcamp, the 1st Dodgeball Tournament and the 2nd annual 'Be the Match' Woodstock's fundraiser.

- Raised over $4200 for the military heroes' campaign and over $800 for 'Be the Match' bone marrow donor program
- Recorded the highest overall attendance in Nu Alpha chapter history with over 700 total visitors

LICENSES & CERTIFICATES

Amazon – AWS Cloud Foundations	Feb 2023 – Present
IBM – Data Science Professional Certificate	Sep 2022 – Present
Ellianse – Business Analyst 1	Jan 2022 – Present
California Polytechnic State University – Accounting Excellence	April 2018 – Present

RELEVANT SKILLS

Technical: MS Office & Excel, R & R Studio, Python, SQL & MySQL, Tableau, AWS, Git & GitHub, Open Office

Knowledge: Data Management, Data Mining, Data Visualization, Analytics, Machine Learning, Econometrics, Statistics