

EDUCATION

San Jose State University

Master of Science in Industrial/ Engineering Management

California, USA

Jan 2022-Dec 2023(expected)

Coursework: Decision and Data science, Operations Data Analysis, Data Mining, Data Visualization, Financial method for Engineers, Six sigma

Visvesvaraya Technological University

Electronics and Communication

Karnataka, India

Aug 2013 – May 2017

EXPERIENCE

MLK Ventures LLP (Data Analyst), India

Nov 2017 – Mar 2018

- Designed an interactive dashboard to display business key performance indicators (KPI's); so, end user can filter KPI's based on required parameters.
- Segmented sales territories using K-Means Clustering to devise appropriate region-wise strategies.
- Developed performance metrics while cleaning and validating SQL for large datasets, thus improving classification/grouping by an accuracy greater than 90%.
- Identified factors that were predictive of good sales and deals by leveraging historic sales related data, applied logistic regression to predict good deals with an accuracy of 81%.
- forecasted demand for the subsequent year, evaluating various KPIs to Improved Regression model.
- Created weekly and monthly status reports with Pivot Tables and Trend Charts to provide understanding of the project to stakeholders.

PROJECTS

Data Analysis on College Major Data set in R:

- Visualized which college major graduate is receiving the highest pay after graduation and which major has the highest number of enrollments, by extracting the appropriate information.
- Performed Exploratory Data analysis (categorical and numerical), Hypothesis testing, Principal component analysis.
- performed the linear regression and logical regression by grouping to find the trend of employment.
- performed k- mean clustering in addition to some other machine learning concept to visualize the data.

Amazon Fine Food Reviews Analysis in Python:

- Extracted, cleaned, performed several operations like EAD to identify the most valuable and least rated product.
- Used various word embeddings including Bag of Words, TF – IDF, Word2vec to get the vectors. Sentimental analysis is performed using Machine Learning techniques
- In addition, clustering was performed on reviews and generated clusters were examined.
- Used the loss function sparse categorical entropy and applied encoder-decoder models where the LSTM layers are stacked for better sequence representation.
- Monitored the validation loss and applied early stopping so that the neural training stops at right time. The validation loss is reduced from 2.85 to 1.85 after 20 epochs.

Yelp Data set challenge Big Data (SparkSQL, PySpark, NoSQL):

- Performed data wrangling over 8 million reviews running SQL queries on databricks with applying CoNVOs framework. Compared elite and non-elite reviews for voter count using Box-whisker Plot, Stacked Bar graphs in Tableau.
- Identified Elite users with 35% of total users.

TECHNICAL SKILLS

- Python, R, C, MySQL, Tableau, Power BI, Advanced Excel.
- Tools Libraries & Visualization: Pandas, NumPy, Matplotlib, Scikit learn, seaborn, GGPlot, Tensorflow, natural language processing, OpenCV, seaborn, Pivot table, Keras.
- Statistical analysis techniques/ tools: Linear regression, Logical regression, multi class classification, Decision trees, Random Forest, KNN Bayesian theorem, Support vector machine, Sampling techniques, Web scraping with python, SQL with Python, Predictive modelling, dimensionality reduction (t-SNE, PCA), XGBoost, ensembling, ANN, CNN, RNN, LSTM, MLP, V- lookups.
- Certificates: Python for Data analysis and Visualization, Python bootcamp, SQL, supply chain analysis – Udemy, Google Data analytics.

LEADERSHIP SKILLS AND INTEREST

- State level volleyball captain, a great team player and a school team volleyball couch in India.
- Organized the cultural event at Alva's education foundation, India.
- Interests: Volleyball, Hiking, Painting, Cooking.