KRISH MANIAR

Boston | (617)-869-8989 | krish.maniar@hotmail.com | LinkedIn | Tableau Public | Github | Portfolio

Analytical Engineer/Data scientist with strong technical lead and project management experience. Passionate about finding patterns and emerging relationships to engineer data driven executive decisions and solutions for global business.

EDUCATION

Northeastern University, Boston, MA **December 2020**

Master of Science, Engineering Management, GPA: 3.854

Relevant Courses: Intro to Machine Learning, Deep Learning, Probability and Statistics, Project Management, Data Mining

NMIMS University, Mumbai, India **August 2017**

Bachelor of Technology, Mechanical Engineering

EXPERIENCE

ASICS Digital, Boston, MA | Business Intelligence Co-Op **Jan 2020 – Jun 2020**

- Engineered customized solutions to track key performance indicators (KPIs) such as bounce rate, views, weekly active runners, (20+ metrics) for business units across ASICS globally following AGILE system
- Curated automated dashboards on Tableau, writing custom SQL queries to create tables and views on the backend Snowflake database adding to the data pipeline using GIT, updating stakeholders daily/weekly/monthly
- Utilized k-means clustering in Python that reduced ambiguity in product color names and enabled recovery of 20% data that was lost when using regex
- Analyzed data from disparate sources (BigQuery, Google Analytics, Snowflake) with scrupulous attention to detail catering to ad-hoc requests as needed to answer data questions and aid data informed decision making

Northeastern University, Boston, MA | Teaching Assistant **Sep 2019 – Dec 2019**

- Meticulously graded assignments and exams of around 80 students as per university guidelines warranting fairness for both sections of "Introduction to Machine Learning" (Ref. Prof. David Brady/ Prof. Deniz Erdogmus)

ImEx Cargo, Boston, MA | Student Consultant **Sep 2018 – Dec 2018**

- Researched loading optimization techniques and presented findings to the CEO suggesting first and best fit algorithm as a viable solution to the cargo loading problem and delivered a visualization in Excel using macros

MPSTME Motorsports, Mumbai, India| Co-founder **May 2015 – Jan 2017**

- Built and led a team of 25 to compete in a national level race car design competition standing 27th out of 60
- Led the design and manufacturing. Mentored 10+ juniors on machining skills and Solidworks for modelling

PROJECTS

IMDB Movie Datawarehouse (Talend, SSMS, SQL)

Curated a data warehouse integrating large datasets (10+ million rows) from data marts consisting of OLAP, facts and dimension tables using Talend, and enhanced performance that resulted in a 20% reduction in cycle time

Recommender System Using IMDB Movies Data Set (Python) link

Built a recommender system using the Deep and Wide architecture and performed hyperparameter tuning which reduced the mean squared error by 65%

Santander Bank Customer Transaction Prediction (Python) link

Constructed a model to predict the probability of transaction using boosted decision trees (XGBoost, LightGBM) on data provided by Santander Bank, improving accuracy of prediction by 10% over previous models

Visualizing 36 Years of Meat Production (Python, Tableau) link

Wrangled data in Python to build an interactive dashboard creating a ranking chart presented in a radial form

TECHNICAL SKILLS & INTERESTS

Data and BI	Python (pandas, numpy, scikit-learn, matplotlib, seaborn, scipy, jupyter), SQL (selects, joins, insert), R, Tableau, Microsoft Excel (vlookup), Alteryx, AWS (Redshift, S3), Matlab, Linux
Statistics	Linear, Logistic regression, A/B Testing, t-test, chi squared test, linear programming
ML Algorithms	Random forest, KNN, Decision trees, K-means clustering, Deep Learning, xgboost, Support Vector Machine (SVM), PCA, LDA, Unsupervised, supervised learning, market basket analysis
Interests	Cooking, Gaming, Hiking, Music, Biology, Stock trading, fintech, mathematics