DHRUV KOTECHA

+1 (551) 697 9486 http://linkedin.com/in/dhruv-kotecha | Tableau dkotech1@stevens.edu

SUMMARY

Highly skilled **data analyst** with 3 years of experience in **data collection, analysis, and visualization**. Proficient in **analytical** skills with **SQL, Python, Tableau, MS-Excel, and R-programming**. A talented leader with excellent **communication, management,** and **problem-solving skills** with an ability to present findings to both technical and non-technical audiences

EDUCATION

Stevens Institute of Technology — ***Hoboken, New Jersey***

- **Master of Science :** Information Systems **| Concentration :** Business Intelligence and Analytics — **September 2021 - Present**
- **Relevant Coursework :** Business Intelligence and Analytics, Applied Analytics, Big Data Analytics, Data Visualization and Application, Database Management System , Social Network Analysis, Project Management

KJ Somaiya College of Engineering — ***Mumbai, India***

- **Bachelor of Technology** — **June 2015 - June 2019**

TECHNICAL SKILLS

Programming Language	:	Python, R, SQL, SAS, MS Excel (Pivot Tables, VLOOKUP, Formulae)
ETL & Analytics Skills	:	Tableau, Power BI, Google Data Studio
Databases	:	PostgreSQL, MySQL, Oracle, Microsoft SQL Server
Big Data	:	Apache Hadoop, Spark, MapReduce, Hive
Libraries	:	NumPy, Pandas, Plotly, Matplotlib, Scikit-Learn, XG-Boost, dplyr, Tidyverse, Lubridate, ggplot2, Rshiny, igraph
ML Algorithms	:	Linear & Logistic Regression, Naïve Bayes, Decision trees, Random Forest, KNN, Support Vector Machines
AWS	:	S3, EC2, IAM, EBS, EFS, Lambda
Certifications	:	*Tableau Training For Data Science* *Data Science and Machine Learning with R* *SQL Masterclass: SQL for Data Analytics* *Power BI Essential Training*

EXPERIENCE

Stevens Institute of Technology — ***Hoboken, New Jersey***

Social Network Analysis Lecturer — **September 2022 - Present**

- Taught **R-Programming and Python** for Social Network Analysis to **100+ students** in collaboration with **Professor Dr Bei Yan**
- Scheduled TA doubt session to solve student's coding queries and helped professor to deliver assignment activities problems
- Provided tutorials on **network data analysis** and assisting with assignments to provide technical recommendations on driven insights

Western Marine Traders — ***Mumbai, India***

Data Analyst — **January 2021 – August 2021**

- Performed in-depth analysis on **40 GB** data using **SQL** to analyze customer datapoints and identify areas for improvement in business process
- Created **4** actionable dashboards using **Tableau** to derive insights for **sales strategy** and build roadmap decisions for **revenue analysis** to model cost reduction report from **4.8 hours to 15 minutes**
- Collaborated with product managers for developing **KPI's** to determine product sales and identify opportunities that increased revenue by **$3.75M** annually thereby reducing refund request to **32.74%** and labor expenditure by **4.73%**

Inventif Web — ***Mumbai , India***

Data Analyst — **August 2018 - December 2020**

- Executed **data cleansing** operation on a client's website and analyze metrics affecting website performance using **SQL** and **Python**
- Performed **deep dive analysis** and identified trends to reduce bounce rate, load time and traffic volume by **13.8% yearly** using **Python**
- Worked with developers to enhance website's maintenance and fulfill business target, resulting in **17.89% increase in traffic** throughout thereby **reducing load time by 0.565 seconds**

ACADEMIC PROJECTS

Stevens Institute of Technology — ***Hoboken, New Jersey***

Movie Recommendation System — **August 2022 - December 2022**

- Scraped movie ratings data, handled collaborative filtering using **Spark** to recommend top movies for user filtered by genres watched previously
- Visualized collaborative data, evaluated model using **ALS and Regression Evaluator** to validate results by comparing graphs in **Databricks and AWS**, with **RSME -0.807,** achieving an **accuracy of 92.65%**

Brain Stroke Prediction — **January 2022 - May 2022**

- Preprocessed data by eliminating missing values, centered data to avoid skewness and fixed misclassifications using **Numpy** and **Pandas**
- Visualized data using **Matplotlib** and **Seaborn** by analyzing factors (married, heart disease, age, smoking status) due to which brain stroke occurred
- Executed feature engineering, modeled data using **Sklearn** ,performed **Logistic Regression (Accuracy 77.48%)** and **Decision Trees (Accuracy 84.43%)**

Heart Disease Prediction — **August 2021 - December 2021**

- Analyzed Cleveland's dataset, performed **statistical analysis**, implemented **t-test**, **chi-square** test and developed hypothesis testing to identify factors responsible for heart disease
- Modeled data using **logistic regression (AUC-ROC)**, achieved an accuracy of **86.9%** and identified that people with smoking habits, irregular sleep patterns are more likely to get heart disease and validated this **predictive analysis** by **Tableau** visualization