Grishma Dharmendra Dihora

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EDUCATION

University at Buffalo, The State University of New York **August-2021 to Expected June-2023**

- MPS - Data Sciences and Applications (**GPA of First Semester**: 3.7/4.0)

Gujarat Technological University, Gujarat, India **August-2016 to August-2020**

- Bachelor of Engineering in Information Technology (**GPA**: 3.56/4.0)

SKILLS

- Technical Skills: R, Python (sklearn, Pandas, NumPy, etc.), C++, HTML
- Database: MYSQL, Google BigQuery, Firebase, SQLite
- Toolkit: Sublime, Jupyter Notebook, PyCharm, RStudio
- Data Visualization: Google Data Studio, PowerBI, Tableau
- General Skills : Machine Learning, Data Mining, Data Processing, Data Visualization
- Operating Tools: Windows OS, Mac OS, Microsoft Office, Linux OS

WORK EXPERIENCE

Data Analyst (Intern) | Algoscript **(December 2020 – May 2021)**

- Evaluate business trends, analyze consumer behavior, develop, and implement test structures, measuring the business impact of marketing programs.
- Performed exploratory data analysis using Python and Tableau
- Performed data manipulation, calculation, testing, and visualization
- Developed a dashboard using Tableau to provide Visual Analysis to business users and interactive statistical
- To support analytical reporting needs, designed database objects (functions, views, tables, etc.) using MY SQL
- Connect with various clients and fulfill the requirements of the clients accordingly and devised internal marketing strategies for their business based on live visual data
- Provide solutions for new client's data by merging or refining their old database system and Performed ETL tasks

PROJECTS

Diabetes Detection | Python

- The aim of this project was to predict the diabetes whether a person has diabetes or not, also predicted the chances of diabetes based on various features.
- Built the machine learning models such as Linear Regression, Logistic Regression, KNN (K- Nearest Neighbor), Decision Tree, and Neural Network model
- Used Python libraries such as pandas, NumPy, matplotlib, scikit-learn
- Also, developed the pie chart, bar chart, scatter plot, histogram etc. with the help of seaborn and matplotlib to show the visualization of data**.**

NYPD Motor Vehicle Collisions | Google BigQuery, Goggle Data Studio

- Found the row data of motor vehicle collisions in New York City provided by the Police Department (NYPD) from 2012 to present**.**
- Analyzed the data and done the exploratory analysis and data normalization using database concept of SQL queries
- Analyzed the factors of vehicle collisions, also found the borough where more collisions occur
- Used Google Data Studio to represent insights of the query results in efficient way and make them more user friendly.

Predicting Future Sales | R

- Aimed for predicting the future sales, based on previous data which are said training dataset.
- Built prediction models named Random Forest, Linear Regression and KNN (K-nearest neighbor).
- Also compared these models with each other and calculated errors and how predicted results defers from original results

ePUC: Automated Pollution Control In Vehicles | Python, Djagno

- The aim of this project was to control pollution of vehicles which does not follow emission standards. For that we give information to the RTO regarding the pollution levels of each vehicle. Even a user can see information about pollutants emitted from his vehicle.
- For that we used hardwares like NodeMCU, MQ2 Gas Sensor, Neo-6M U blox GPS Module and smartphone and softwares like Android Studio, Python, Djagno, MySql Database, and Arduino IDE to develop this module**.**
- Got grant from SSIP (Student Start-up & Innovation Policy)