Data Analyst/ Business Analyst

HRITWIK S. PARIHAR

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Education

BACHELOR OF TECHNOLOGY – Visvesvaraya National Institute of Technology, Nagpur 2022
Major: Computer Science and Engineering

POSTGRADUATE DIPLOMA – Centre for Development of Advanced Computing, Bangalore 2023
Major: Big Data Analytics

Skills

Python
Libraries: pandas, matplotlib, ggplot2, beutifulsoup2, NumPy, seaborn

R Programming
Packages: dplyr, shinny, ggplot, tm, tidyr

Excel
Tools: Pivot Table, Pivot Chart, VLOOKUP, HLOOKUP, VBA

Power Bi
Tools: DAX, API, Power Query

SQL
Software: SQLite, MySQL

Tableau
Skills: Dashboards, Design Flow, Data View

Projects

TUMOR DIAGNOSIS EDA |Python

- Utilized **Python** to analyze breast cancer diagnostic data and gain insights tumor classification
- Implemented visualization techniques to comb through the cell data and revealed the significant findings
- Aggregated and visualized the data by using **pandas, matplotlib** and **Seaborn** to compile a professional report

ANALYSIS OF EARNINGS ACROSS DIFFERENT COLLEGE MAJORS |Python, Tableau

- Analyzed and classified a dataset of college majors incomes using k-means clustering to identify patterns and groupings among various career levels
- Developed a data visualization dashboard using **Tableau** to showcase the key findings from the analysis, making the information more accessible and engaging
- Leveraged strong analytical skills to analyze and synthesize the data set, utilizing statistical techniques and visualization tools to identify trends and communicate key insights effectively

STATISTICAL ANALYSIS OF CRIME IN UNITED STATES |R

- Utilized **R Studio** to conduct statistical analysis on crime data in the United States to identify patterns and trends
- Developed data visualizations and dashboards to effectively communicate insights in making strategic real-estate investments
- Built predictive models using machine learning algorithms to forecast crime rates in different regions of the United States

CUSTOMER SALES ANALYSIS |SQL

- Utilized **SQL** to extract data from 8 different related tables from customer sales databases using **JOIN** and **VIEW**
- Transformed and filtered data by using aggregating and filtering function to improve reporting process
- Loaded and visualized data with **Python** to identify key business intelligences that can improve sales performance

Work Experience

AIR QUALITY ANALYSIS – IVLABS

- Implemented Iot based real-time ambience monitoring system using ESP8266 and Firebase
- Developed an android application that visualizes real-time graphs of air quality, temperature and humidity
- Generated dataset for humidity and temperature using DHT11 sensor and analyzed their behavior for a day
- Published the project paper in the book 'Advances in Mechanical Engineering' Springer Nature, Singapore [Paper]