HRITWIK S. PARIHAR

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

Power Bi

Tools: DAX, API, Power Query

R Programming

Packages: dplyr, shinny, ggplot, tm, tidyr

SQL

Software: SQLite, MySQL

Excel

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

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 to stakeholders and inform decision-making
- 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 lot 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]