Data Analyst

HARSHIT SINGH

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Skills

- SQL (SQL Server, PostgreSQL , MySQL)
- Python (Pandas, NumPy, SciPy, MatPlotLib)
- PySpark
- Excel (VLookup, XLookup, Conditional Formatting, Pivot Tables)
- DAX

- Microsoft Azure
- Tableau
- Microsoft Power BI
- Jira
- HTML, CSS, Bootstrap

Education

MASTER OF SCIENCE IN COMPUTER SCIENCE– University of Texas at Arlington **–** TX, USA   December 2022
Coursework: Data Mining, Data Analysis and Modelling Techniques, Advanced Database Systems, Machine Learning,
  Data and Analysis Algorithms, Artificial Intelligence, Software Management,

Projects

AIRBNB REVENUE DASHBOARD – (Tableau) – Dashboard Link

- Performed **ETL** using **Excel** on the dataset from Kaggle
- Developed a revenue dashboard for Airbnb housing to track revenue, booking price and booking trends across multiple locations
- Utilized **Tableau** to build an **interactive dashboard** that includes multiple visualizations, filters and parameters to analyze data

E-COMMERCE SALES INSIGHTS DASHBOARD – (Power BI) – Dashboard Link

- Leveraged **Power BI** to build dynamic dashboard that includes visualizations, drill down, and filters to analyze products data
- Transformed and processed data by using **DAX** and **Excel** to ensure data completeness and validity
- Provided technical insights on how the client can fully utilize their data by introducing different methodologies

COVID DATA EXPLORATION – (MySQL) – Github Link

- Used a covid -19 dataset from the Kaggle for this analysis
- Utilized **MySQL** to extract data from different related tables using **JOIN**, **VIEW**, **CTE**, **Temp Tables**
- Transformed and filtered data by using aggregating and filtering function to improve reporting process
- Insights were generated for global COVID trends, vaccination rates, population and testing data

ANNUAL SALES REPORT FOR A LOCAL CLOTHING STORE – (EXCEL) - Github Link

- Developed an annual sales report for a local clothing store using **Excel** to analyze sales trends, customer behavior and channels
- Utilized advanced Excel functions such as pivot tables, conditional formatting and filters for the dashboard
- Provided actionable insights by identifying top-selling states, products and customer demographics

UNIVERSITY MARKET PLACE – (Full-Stack Development) – Project Link

- Led a team of 3: organized meetings, delegated tasks, helped teammates debug. A final grade of **100%**
- Whole login system was implemented to enable **CRUD** operations on the user list, validation and products they can purchase
- Created fully responsive website using **HTML5, CSS, Bootstrap 4, JS, PHP, MySQL**
- It was able to register **15%** more students than the previous year

MULTIVARIATE CASE IN LINEAR REGRESSION – (Python)

- Data cleaning/transforming, data wrangling and visualization using tidyverse, dplyr and **pandas**
- **Python** was used to create supervised and unsupervised learning models, and developed **Linear Regression** and **Decision Tree** models using sci-kit learn
- Accuracy of the result was compared of Naïve Bayes classifier with Decision Tree, which showed it is better (**82.5%**) by **2.3%** in comparison to Decision Tree (**80.2%**)