Entry-Level Data Analyst

LAV PATEL

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Skills

- SQL (SQL Server)
- R (Tidyverse, dplyr, ggplot2)
- Python (pandas, matplotlib)
- Excel
- Tableau
- Microsoft Power BI

Projects

DATA ANALYSIS: Movie Correlation – Personal Project – Chicago, IL   July 2023

- Employed **Jupyter Notebooks** and **pandas** library to import, preprocess, and clean the movie dataset, handling missing values, removing duplicates, and formatting data types for correlation analysis.
- Utilized **matplotlib** library in **Python** to generate visualizations, including scatter plots and correlation matrices and identifying significant correlations within the dataset.

DATA ANALYSIS: Exploratory Data Analysis – Personal Project – Chicago, IL   June 2023

- Utilized **RStudio** and its integrated packages, such as **ggplot2**, **dplyr**, **and tidyverse**, to explore various datasets and perform in-depth analysis.
- Leveraged **ggplot2** to create visually appealing and informative graphics, allowing for a better understanding of the data patterns and insights.

DATA CLEANING: Housing Listings Analysis – Personal Project – Chicago, IL   April 2023

- Utilized **SQL** to analyze over 50,000 housing listings in Nashville, resulting in clean and organized data that was ready for deeper analysis and insights.
- Implemented **Joins, CTE,** and **Aggregate Functions** to optimize database queries, resulting in faster and more accurate data retrieval.

DATA EXPLORATION: COVID-19 Impact Analysis – Personal Project – Chicago, IL   March 2023

- Utilized **SQL** to perform exploratory data analysis on a COVID-19 dataset, uncovering valuable insights into the pandemic's impact on various factors.
- Manipulated and organized COVID-19 data efficiently using **Joins**, **Views**, **CTEs**, and **Temp tables**, enabling deeper analysis of trends and patterns.

TABLEAU: COVID-19 and Airbnb Data – Personal Project – Chicago, IL   February 2023

- Used **Tableau** to create visualizations that depicted the spread of COVID-19 across different geographic regions and analyzed trends in cases and deaths over time.
- Utilized **Tableau** to visualize Airbnb listing data, showcasing the distribution of listings by location and price, and analyzing trends in revenue.

MICROSOFT POWER BI: Professional Survey Analysis – Personal Project – Chicago, IL   January 2023

- Analyzed a professional survey dataset with **Microsoft Power BI**, creating visualizations and dashboards that provided insights into employee satisfaction, salary, and demographic and job-related factors.
- Utilized **DAX** functions in **Microsoft Power BI** to create advanced calculations, such as measures and calculated columns, that provided deeper insights into the professional survey data.

Education

BACHELOR OF SCIENCE IN PSYCHOLOGY – Loyola University Chicago – Chicago, IL   May 2023
Major: Psychology Minor: Business Administration GPA: 3.5
Dean's List: Fall 2021-Fall 2022
Damen Scholarship Recipient