**Data Analyst/Business Analyst/Power Bi developer +91-9591032924**

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[**GITHUB**](https://github.com/shruputta)

**Skills**

* SQL(SQL Server)
* Excel(VLOOKUP, Conditional Formatting, Pivot Tables)
* Python(Pandas, Numpy, Scipy, MatPlotliB)
* Microsoft Power Bi

**Projects**

**Store Data Analysis** - Personal project Using SQL

* Developed a comprehensive store analytics system using SQL queries to analyze sales, customer preferences, and inventory data.
* Utilized SQL functions such as COUNT, SUM, and AVG to aggregate and summarize sales and customer data.
* Employed GROUP BY and ORDER BY clauses to organize and sort data for reporting purposes, providing insights into sales trends.
* Utilized JOIN operations with the ON clause to combine data from multiple tables, linking sales transactions to customer information and product details.
* Employed the WHERE clause to filter and extract specific subsets of data, such as sales for particular time periods or product categories.
* Implemented IN statements to filter data based on specific criteria, facilitating targeted analysis.
* Utilized LIKE statements for pattern matching in customer names and product descriptions, enhancing data search capabilities.
* Leveraged SUBQUERY techniques to create nested queries, allowing for the extraction of complex data subsets.
* Implemented CTE (Common Table Expressions) to simplify and enhance the readability of complex SQL queries.
* Conducted data preprocessing and cleaning to ensure data quality and accuracy, enhancing the reliability of analytical results.
* Created interactive dashboards in Power BI to visualize key performance metrics and sales trends, enhancing data presentation.
* Presented project findings to stakeholders, showcasing the impact of data-driven insights on business operations and profitability.

**Predicting Student Scores Based on Study Hours Using Python:**

* Importing Libraries: Utilized Python libraries like pandas, numpy, and matplotlib, applying SQL concepts for data manipulation.
* Importing Data:
* Checking Data: Employed SQL concepts such as head, shape, info, isnull().sum(), and duplicated().sum() to inspect and clean the dataset.
* Data Visualization: Applied SQL-like commands to create various data visualizations, including plot, plot.pie, plot.scatter, and plot.bar, to explore data relationships and patterns.
* Data Transformation: Utilized SQL concepts like sort\_values and iloc to prepare the data for model training.
* Data Splitting: Applied SQL-like splitting techniques, including train\_test\_split, to divide the dataset into training and testing sets for model evaluation.
* Data Analysis: Utilized SQL concepts to create a DataFrame for data analysis and visualization, including regplot for regression analysis.

[**Exploratory-Data-Analysis**](https://github.com/shruputta/Exploratory-Data-Analysis-Terrorism/tree/main) **Using Power BI:**

* Objective: Conducted extensive Exploratory Data Analysis (EDA) on a dataset using Power BI to uncover insights and trends, employing various visualization concepts and tools.
* Visualizations: Utilized a wide range of Power BI visualization concepts, including:
* Stacked Bar Charts: To showcase data comparisons and trends in a visually compelling manner.
* Donut Charts: For a clear breakdown of data categories within a whole.
* Card View: To present important summary statistics and key metrics.
* Maps: To visualize geographic data and identify spatial trends.
* Area Graphs: For displaying trends over time, emphasizing changes and patterns.
* Line Charts: To visualize continuous data and trends with precision.
* Slicers: To enable dynamic filtering and exploration of data subsets.
* Insights: Derived meaningful insights from the dataset using these visualizations, such as identifying key trends, patterns, and anomalies.
* Data Presentation: Developed interactive Power BI dashboards that effectively communicated findings to stakeholders, providing them with the ability to interact with and explore the data.
* Impact: Demonstrated the power of EDA with Power BI in extracting actionable insights from complex datasets, enhancing decision-making processes.

**Work Experience**

**Organization: Concentrix Dec 2018 - June 15 2023**

**Designation: Senior Quality Analyst**

* Proficiently created Pivot Tables and charts in Microsoft Excel to facilitate data analysis and visualization, empowering data-driven decision-making processes.
* Successfully extracted and transformed data using SQL queries and Python to fuel predictive models, resulting in accurate forecasts of future trends and patterns, essential for strategic planning.
* Designed and maintained interactive dashboards in Power BI, offering real-time insights into key performance indicators and actionable recommendations for stakeholders.
* Demonstrated mastery of Excel functions, including VLOOKUP, INDEX-MATCH, and array functions, to enhance data accuracy and streamline reporting processes.
* Utilized SQL queries for data extraction, transformation, and aggregation, ensuring data integrity and supporting comprehensive data exploration.
* Conducted advanced statistical analysis, hypothesis testing, and A/B testing, delivering actionable insights that informed data-driven decision-making and optimized business strategies.
* Championed data quality and governance initiatives, guaranteeing the accuracy and reliability of critical datasets, thus bolstering the trust in data-driven insights.
* Mentored and coached junior analysts, nurturing their professional growth and enhancing their skills in data analysis, SQL, and predictive modeling.
* Continuously improved data processes, enhancing efficiency and accuracy in data collection, transformation, and reporting, resulting in streamlined workflows and improved data quality.

**Education**

2017, FULL TIME

MCA(Master of computer Applications)

**Jyoti Nivas College, Bangalore**

**Declaration**

I hereby declare that the above-mentioned information is true to the best of   my knowledge and belief and I bear the responsibility for the correctness of the above-mentioned particulars.

**Place: Bangalore**

**Shruthi H**