Data Analyst

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SKILLS

SQL
Software: MySQL, SQL Server Management Studios.
Tools: Joins, CTEs, Windows functions, Case Statement, Aggregations, Triggers etc.

PYTHON
Libraries: Pandas, Matplotlib, NumPy, Seaborn, Streamlit, Plotly, Plotly-Express, Altair, SqlAlchemy, PyMysql, Beautiful-Soup, etc.

EXCEL
Tools: VLOOKUP, Conditional Formatting, Pivot Tables, HLOOKUP etc.

MACHINE LEARNING
Algorithms: Linear Regression, Logistic Regression, Decision Trees, K-Nearest Neighbors, SVM, etc.
Libraries: Scikit-learn, NLTK, Tensorflow, XGBoost, Joblib, Pickle, etc.

PROJECTS

RETAIL STRATEGY AND ANALYTICS ON CHIPS SALES – Virtual Internship **JUL 2025**

- The analysis on this project was done using Python and the required libraries.
- Cleaned and filtered the dataset to focus exclusively on chip products, ensuring precise insights.
- Integrated and analyzed two datasets, transaction and customer behavior employing Matplotlib and Seaborn for clear visualization.
- Identified significant sales trends across customer segments and festive seasons, particularly among budget-conscious and family-oriented consumers.
- Executed trial store analysis to pinpoint control stores with correlated performance metrics.
- Delivered actionable recommendations to optimize retail strategy and sustain market growth.
- Compiled and submitted a professional final report in PDF format.

COFFEE SALES DASHBOARD USING EXCEL – Personal Project **JAN 2025**

- Developed an interactive Excel dashboard leveraging Pivot Tables, slicers, and dynamic charts.
- The dataset included coffee sales data across different countries within a particular period of time
- Analyzed trends to discover insights in key parameters such as total sales over time, top customers, sales by country, roast type, size and loyalty card.
- Integrated slicers to enable user-friendly filtering by key attributes, enhancing interactivity and accessibility.
- Designed the dashboard for intuitive navigation and easy interpretation for even non-technical users.

LAYOFF-DATA OF MEGA COMPANIES: DATA CLEANING USING SQL – Personal Project **FEB 2025**

- Utilized MySQL to explore and clean 1,990 records from major companies such as Google, Apple, and Airbnb, etc.
- Standardized data types and applied window functions to remove duplicates, ensuring data integrity.
- Employed trimming and null-handling functions to correct inconsistencies and eliminate blanks. Employed trimming and null-handling functions to correct inconsistencies and eliminate blanks.
- Normalized the dataset using JOINs, ALTER, and UPDATE commands for efficient exploratory analysis.
- Exported a fully cleaned and structured dataset ready for further analytics.

HEALTH CARE DATA ANALYSIS USING SQL – Personal Project **APR 2025**

- Executed an advanced SQL analysis in healthcare facilities involving their medical and insurance revenues, admission and release durations, doctors and patient demographics

- Cleaned and validated datasets before analysis to ensure accuracy and reliability.
- Leveraged CTEs, window functions, and CASE statements to identify revenue trends and patient behavior patterns
- Delivered key performance insights to support data-driven decision-making in healthcare.

CUISINE SALES ANALYSIS USING SQL – Personal Project **MAR 2025**

- Created and managed a SQL database for cuisine sales across five countries.
- Performed data cleaning and validation to maintain data quality.
- Analyzed customer demographics, purchase history, and order patterns using joins, CTEs, and window functions.
- Identified high-value customers and proposed strategies to boost sales performance.
- Implemented a SQL trigger to automatically identify customers after every third order for personalized engagement.
- Hosted the project on GitHub.

WALMART SALES ANALYSIS USING SQL AND PYTHON – Personal Project **APR 2025**

- Developed a complete ETL pipeline integrating Python and SQL.
- Extracted data via a Kaggle API, cleaned and processed it using Pandas, and transferred it to MySQL through SQLAlchemy and PyMySQL.
- Conducted SQL-based analysis of key business metrics to generate insights for operational and strategic improvement.
- Delivered actionable recommendations to enhance company performance and profitability.

MTN CHURN ANALYSIS DASHBOARD USING PYTHON-STREAMLIT – Personal Project **AUG 2025**

- Developed an interactive customer churn analysis dashboard using Python and Streamlit.
- Performed extensive data cleaning and exploratory analysis using Pandas.
- Visualized key metrics and churn patterns through Matplotlib, Plotly-Express, and Seaborn.
- Built responsive filters and logic using conditional statements to ensure interactivity.
- Enabled real-time identification of high-risk customers and supported the development of retention strategies.
- Fully deployed the dashboard on GitHub and Streamlit Cloud.

TWITTER SENTIMENT ANALYSIS: MACHINE LEARNING – Personal Project **OCT 2025**

- Performed sentiment analysis on over 50,000 tweets using advanced machine learning techniques.
- Preprocessed text data through cleaning, tokenization, and feature extraction using Scikit-learn, NLTK, Pandas, and NumPy.
- Trained and compared multiple models, evaluating accuracy, precision, recall, and F1-score.
- Deployed the best-performing model to predict user sentiment with high reliability.
- Saved the trained model using Pickle for future implementation and scalability.

EDUCATION

BACHELOR OF SCIENCE IN HUMAN ANATOMY – Federal University of Tech. Akure – Ondo, Nigeria **NOV 2025**