

## Skills

---

- SQL (MS SQL Server, PostgreSQL)
- Python (Pandas, NumPy, Matplotlib)
- Excel (XLookup, Conditional Formatting, Pivot Tables)
- Microsoft Power BI (Power Query, DAX, Charts and Tables, Insightful dashboard)
- Tableau
- Collaboration and Team working
- Microsoft PowerPoint (Data reporting, Informative Presentation, Insightful reports, Recommendation)

## Projects

---

### NIGERIA COMPANY SALES DATA ANALYSIS USING SQL – [Personal Project](#)

November 2024

- Calculated total sales revenue by region using **Sum()** with **Group By** and **Order By**
- Determined the number of orders per customer with **Count()** and **Group By**
- Calculated average product price per category using **Avg()** and **Round()**, with **Group By**
- Filtered orders by quantity using **Where** clause for condition-based filtering
- Aggregated total sales by sales representative with **Sum()** and **Top** for top performers
- Filtered orders by date range using **Between** in the **Where** clause for time-based analysis
- Ranked customers by total purchase value using **Sum()** with **Top** and **Group By**
- Calculated pending orders per region using **Count()** and **Where** for status filtering
- Calculated total quantity sold per product category using **Count()** and **Group By**
- Filtered orders by payment method and delivery status using **Where** clause for specific conditions
- Analysed total sales in specific regions and time periods using **Sum()** with **Where** and **In** for region filtering

### ANALYSIS OF JOB POSTINGS FOR DATA ENGINEERS USING SQL – [Personal Project](#)

November 2024

- Analysed high-paying Data Engineer job postings using **Select, Join, Where, Order by** to extract top 10 job postings based on salary and job details, applying **Left Join** between tables to match job postings with company details
- Identified high-paying roles with required skills using **With** clause (common table expression) to filter top-paying Data Engineer roles, and employed **Inner Join** to link job postings with required skills via different tables, ranking postings by salary with **Order By**
- Examined the most in-demand skills for Data Engineers by using **Inner Join, Count, Group By, And Order By** to aggregate and rank skills by demand, extracting the top 10 most demanded skills across job postings
- Analyzed skills with the highest average salary using **Avg And Ceiling** functions to calculate the average salary per skill, filtering and ranking top 20 skills based on average salary
- Combined skill demand and salary analysis with **Count, Avg, Group By, And Having** to filter skills with a demand count over 10, and aggregated and ranked the top 25 skills by total demand count and average salary

### DATA ANALYSIS WITH PYTHON – [Personal Project](#)

July 2024

- Developed **data visualizations** to communicate insights (**Plots, Charts**)
- Utilized data manipulation and analysis libraries (**Pandas, NumPy**)
- Conducted data analysis using **Pandas, NumPy, and Matplotlib**
- Employed **Pandas' groupby and aggregation** functions for data insights
- Performed **Data cleaning**
- **Merged, joined and concatenated** data from multiple sources
- Used control structures (**if-elif-else, loops**) for dynamic data handling
- Applied **indexing** techniques for data selection
- Read and processed data from various file formats (CSV, Excel)
- Implemented **web scraping** techniques to extract data from websites

### LIVES SAVED BY VACCINES AROUND THE WORLD, 2024 – [Personal Project](#)

June 2024

- Used **Power BI** to create a compelling and informative visualization of the impact of vaccines on saving lives globally
- Transformed and processed the data using **Power Query, DAX and Excel** to make final adjustments and ensure data integrity, completeness and accuracy
- Uncovered key insights, such as regions with the highest number of lives saved and the total lives by vaccines for each disease

#### ANALYSIS ON BIKE PURCHASES FOR A BIKE-SELLING COMPANY – [Personal Project](#)

June 2024

- I used **Excel** to analyze and create a **dashboard** that shows the distribution of bike purchases for a bike-selling company based on Age, Gender, Region, Education and Commute distance
- Cleaned and transformed the data provided I used the **IF statement** to categorize customer ages into groups
- Employed **Pivot tables** to compare the data across different categories

#### NASHVILLE HOUSING DATA CLEANING – [Personal Project](#)

May 2024

Performed a data cleaning process on **SQL** to prepare the data for further analysis or reporting, ensuring it is accurate, reliable, standardized, and structured appropriately for its intended use

- Ensured dates are formatted consistently
- Populated missing address data and split address fields into individual components
- Replaced acronym values with full words for clarity
- Deleted unnecessary columns and rename columns as needed

#### HEART FAILURE PATIENTS CLINICAL RECORD SURVEY – [Personal Project](#)

May 2024

- Created a dashboard with **Power Bi** that shows the analysis of medical records of 5,000 patients who had heart failure with similar clinical records
- Transformed and processed data by using **DAX** and **Excel** to ensure data completeness and validity
- Analyzed and compared the Total cases, Death count and Average death rate across various clinical features, providing insights on the survival of the Heart failure patients based on Age, Gender and several clinical features

#### RETAIL STORE SALES AND PROFIT – [Personal Project](#)

May 2024

- Developed a **dashboard** with **Power BI** to visualize and analyze sales performance across multiple regions, providing real-time insights into revenue trends and product category contributions
- Manipulated and cleaned the data by using **Power query** to ensure data accuracy and reliability
- Uncovered sales performance insights across various dimensions

#### STUDENTS PERFORMANCE SURVEY – [Personal Project on Excel](#) and [Power BI](#)

May 2024

- I analyzed a dataset of 1,000 student performance records from Kaggle, using **Excel and Power BI** to build informative insights
- Using the **Power Query** on Power BI and **Excel Data cleaning and Transformation Tools**, I cleaned the data by **removing duplicates and irrelevant columns** I standardized and trimmed the data using the **Proper and Trim functions**
- I employed DAX in Power BI to develop measures for calculations and student grading, while utilized the **IF and SUM functions** in Excel
- Developed an informative **dashboard** on student performance across various dimensions using Excel and Power BI

#### COVID DEATHS AND VACCINATIONS – [Personal Project](#)

April 2024

- Utilized **SQL** to extract data from 2 different related tables from covid pandemic datasets using **JOIN**
- Transformed and filtered data by using aggregating and filtering function to improve reporting process
- Analyzed and compared total cases, total deaths and vaccination progress across various geographic locations, helping to understand the distribution and severity of the COVID-19 pandemic globally, by continent, and by individual countries

#### ONLINE SALES PERFORMANCE SURVEY – [Personal Project](#)

April 2024

Utilized **SQL** queries to provide insights into the sales performance across different dimensions:

- Total units sold and total revenue
- Revenue distribution across product categories and regions
- Most purchased product categories in specific regions
- Most used payment methods and their contribution to total revenue

- Utilized **Excel** to analyze the data provided by the client
- Cleaned and transformed the data provided
- Employed **Pivot tables** to conduct descriptive statistics and analyze Likert scale responses
- Applied **Excel** regression tools to examine the effect of several factors on the productivity of the crop farmers

Work Experience

---

DATA ANALYTICS INTERN - [Tata group](#) – India

July 2024

- Completed a simulation involving **creating data visualizations** for Tata Consultancy Services
- Prepared questions for a meeting with client senior leadership
- Created visuals for data analysis to help executives with **effective decision making**

DATA ANALYTICS INTERN - Accenture North America – New York City, United States

July 2024

- Completed a simulation focused on advising a **hypothetical clarity on** social media client as a Data Analyst at Accenture
- Cleaned, modelled and analysed **7 datasets** to uncover insights into content trends to inform strategic decisions
- Prepared a PowerPoint deck and video presentation to **communicate key insights** for the client and internal stakeholders

CERTIFICATIONS

---

- [Data Analytics Bootcamp Certificate](#)

April 2024 - July 2024

Education

---

Bachelor of Agriculture, Agricultural Economics and Farm Management

University of Ilorin, Nigeria

2017 - 2023

Final grade: Second Class (Upper Division)