# PROFILE

Adaptable, analytical, detail-oriented and results-driven Data Analyst with a strong background in data modeling, statistical analysis, and data visualization. Adept at leveraging analytical tools and methodologies to transform complex data sets into actionableinsights to address business challenges and drive organizational growth.

Proficient in conducting deep-dive analyses, machine learning model development and deployment, data mining, data entry, and automating data workflows. Known for a keen eye for detail, problem-solving skills, and the ability to communicate findings effectively to both technical and non-technical stakeholders. Eager to contribute to a dynamic team and leverage data to achieve strategic business goals.

# EDUCATION

**Bachelor of Technology** (Industrial chemistry) September 2021

* Federal University of Technology Minna, Nigeria
* Second class upper division

# CORE COMPETENCIES AND TECHNICAL SKILLS

* **Microsoft Excel:** Proficient in advanced functions such as VLOOKUP, IF statements, INDEX/MATCH, pivot tables, chart creation, macros, and statistical analysis.
* **Tableau:** Skilled in data transformation, modeling, visualization, and dashboard publishing.
* **Power BI:** Proficient in data transformation, data modeling, data visualization, Power BI DAX, publishing and updating reports, and actively expanding knowledge of Power BI service.
* **SQL**: Skilled in SQL for data querying, including WHERE clauses, GROUP BY, ORDER BY, Alias implementation, Temp tables and JOIN operations.
* **Modeling:** Proficient in Python (scikit-learn, TensorFlow, SciPy, PyTorch).
* **Data Processing and Statistical Analysis:** Proficient in handling large datasets, preprocessing data, applying statistical methods, visualization and machine learning algorithms, and deriving meaningful conclusions.
* **Github:** Experienced in GitHub for repository management, version control, and web hosting.
* **Development Methodologies:** CRISP-DM, KANBAN.
* **Artificial Intelligence**: Knowledgeable in leveraging AI techniques for data analysis and problem-solving.

# PROFESSIONAL EXPERIENCE

**Data Analyst *–*** *STEP-B Research Institute (Remote), Minna, Nigeria*

**June 2022 – Till Date**

* Developed and implemented Python automation scripts, streamlining data collection and cleaning processes, resulting in a 50% reduction in manual effort.
* Created detailed workflow diagrams and Standard Operating Procedures (SOPs) for manual survey report dataset population, ensuring accuracy and consistency in data entry.
* Conducted thorough data quality checks and validations to ensure dataset accuracy and reliability, aligning with research objectives.
* Applied statistical analysis, predictive machine learning models and pattern recognition models on over 7 research papers.

**Quality Assurance and Control Officer *–*** *Drury Industries Limited* ***-*** *Opic Industrial Estate, Ogun, Nigeria*

**January 2023 – Till Date**

* Analyze a wide range of materials, including those from acid plants, water treatment plants, and alum plants, to ensure quality conformity with standards.
* Conduct data analysis on product quality data for quality control, anomaly detection, and process optimization.
* Supervise processes leading to successful production of good quality Alum and Sulfuric acid.

# NOTABLE PROJECT

# Data Visualization Project: Impact of Nitrous Oxide Emissions on Global Agricultural Yield *Personal Project:*[Link](https://github.com/job-moses/NitrousImpactAgricYield)

**Overview:** Developed an interactive data visualization project analyzing the global impact of nitrous oxide emissions on agricultural yield from 1990 to 2020.

* Collected and integrated datasets from 4+ real world data sources.
* Clean data using Power Query Editor and Python
* Perform data Modelling in Power BI
* Performed statistical analysis to identify trends and correlations between nitrous oxide emissions and agricultural productivity.
* Designed and implemented visualizations using tools like Power BI, highlighting key insights and socio-economic impacts.

**Skills Demonstrated:** Data Analysis, Data Visualization, Statistical Analysis, Power BI, Python, Data Integration.

**Outcome:** Generated actionable insights on the relationship between greenhouse gas emissions and agricultural yield, contributing to discussions on sustainable agricultural practices.

* **Medical Insurance Prediction App (Flask, Scikit-learn, Render, HTML, CSS, JavaScript)**

*Personal Project*: [LINK](https://insurancexpenseprediction.onrender.com/)

**Overview:** Created and deploy a machine learning model to predict medical insurance expense, using historical medical expense data.

* Created and deployed a machine learning model to predict medical insurance expense, using historical insurance charges data.
* Engineered a machine learning model using Python and scikit-learn to predict medical insurance charges, achieving 85.2% confidence in the variability of actual medical price.
* Successfully deployed the model in a production environment, enabling real-time predictions and integration with existing health systems.

**Skills Demonstrated:** Model development, Model Deployment, Web Development, Python, Data Integration.

* **Sales Analysis (SQL, Power BI)**

# *Virtual Client’s Project*

* Remotely accessed client database and fetched data from 4+ relational database tables for analysis using advanced SQL queries.
* Performed data quality checks and data cleaning using SQL.
* Collaborated with the client to identify **10+** key performance metrics, delivering tailor-made data visualization solutions to address their specific business needs.
* Created a clear and concise sales report using advanced Power BI Dax functions and summarized sales report in a Dashboard.
* Provided extensive training and guidance to the client's team, empowering them to independently maintain and update the dashboard.

**Skills Demonstrated:** Data Analysis, Data Visualization, SQL, Power BI.

# ADDITIONAL COURSES AND CERTIFICATIONS

* Master Couse in Data Visualization & Data Warehousing offered by Dr. Jose Prabhu (Udemy) [Verify ](https://www.udemy.com/certificate/UC-cd4f2d9d-eab6-4d3d-b84b-be6245f6188b/)
* Data Manipulation in Python: Master Python, Numpy & Pandas offered by Meta Brains (Udemy) [Verify ](https://www.udemy.com/certificate/UC-cd4f2d9d-eab6-4d3d-b84b-be6245f6188b/)
* Google Professional Data Analysis offered by Google (Cousera) [Verify ](https://www.coursera.org/account/accomplishments/verify/Q3QEVNAQVSSZ?utm_source%3Dandroid%26utm_medium%3Dcertificate%26utm_content%3Dcert_image%26utm_campaign%3Dsharing_cta%26utm_product%3Dcourse)
* ISO/IES 2007 Information Security Management offered by Petar Dimov (Udemy) [Verify ](https://www.udemy.com/certificate/UC-d7f2f15b-eb0a-4cf7-af23-234b55706a9f/)
* Financial Analysis and Financial Modeling in Microsoft Excel offered by Start- Tech Academy (Udemy) [Verify ](https://www.udemy.com/certificate/UC-849a7171-2565-4846-82be-07986ee6d2e1/)
* SQL Masterclass: SQL for Data Analysis offered by Start- Tech Academy (Udemy) [Verify ](https://www.udemy.com/certificate/UC-0a216e67-b415-4991-bb72-94a1070677e3/)
* Professional Diploma in Health and Safety Environment (HSE Level 1,2,3) - Environmental and Safety Management Institute. Certificate ID: 822159 [Verify ](http://www.esmi.org.ng)

# COMMUNITY SERVICE

# Community Development President

# National Youth Service Corp, Dawakin-Tofa Local Government, Kano, Nigeria

January 2022 – November 2022

* Successfully led and managed a wide range of community development projects, including social education programs, scientific laboratory development, computer laboratory establishment, and inter-school competitions.
* Oversaw the training of 500 teachers and students in Information and Communication Technology (ICT) skills, equipping them with essential digital competencies.
* Developed strategic partnerships with local schools, government entities, and community organizations to maximize project impact and resource utilization.
* Led fundraising efforts to secure financial resources for various projects, resulting in a 30% increase in available funds.
* Coordinated and facilitated community meetings, ensuring effective communication and collaboration among stakeholders.

# VOLUNTEERING

**African Epidemiology Network (AFENET)**

* Collect primary heath data from health centers and upload via DHIS2 mobile application

# AWARDS AND HONOUR

* Award of Academic Excellence by Kuidawa Education Foundation. The award recognizes the most impactful Corp member during national service year in Kuidawa community. Date of Award: November 2022
* Mentorship Award, Student Union of Federal University of Technology Minna. Date of Award: September 2022
* Ogun state Winner, 2010 Edition of Junior Engineering Technician and Scientist (JETS) competition. Date: November 2010
* Crown International College Parent Teachers Association scholarship. The scholarship is awarded every year for overall best student 2001-2007.

# REFERENCES

**Mr. Akanni Abiodun**

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Drury Industries Limited

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