

# CHIDIEBERE N. EZI

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## Summary

I am an MSc Data Science and Big Data Analytics graduate with a strong interest in applying data-driven methods to solve real-world business problems. Through intensive, project-based training and academic work, I have developed a systematic and creative approach to data analysis, machine learning, and insight generation. I am motivated to translate complex data into actionable value for teams, organizations, and end users, and I am committed to continuous learning and professional growth in the data science field.

## Experience

### Program Officer

02/2023 to 04/2024

### Connected Advocacy

Benin City, Nigeria

- Managed and analysed project-related data for research and grant applications.
- Identified funding opportunities through structured research and reporting.
- Coordinated stakeholders and maintained organised documentation to support decision-making

### Teacher

03/2022 to 04/2023

### National Youth Service Corp (NYSC)

Benin City, Nigeria

- Created lesson plans and supplementary materials aligned with instructional philosophy and course standards to facilitate effective learning.
- Built trusting relationships with students by offering tailored educational and emotional support.
- Collaborated with colleagues to create a positive learning environment for students.

## Projects

### "You Are What You Eat" Customer Segmentation (<https://echinel.github.io/>)

Used **k-means clustering** on grocery transaction data to split out customers into distinct "shopper types". These could be used to better understand customers over time, and to more accurately target customers with relevant content & promotions.

### Building an AI SQL Agent on A Live Cloud-Based Database (<https://echinel.github.io/>)

Built a practical **SQL** AI Agent for our grocery retail client, capable of taking natural-language questions and turning them into accurate **PostgreSQL** queries against their database. The agent is able to; interpret the user's intent, plan how to answer it using **SQL**, write an appropriate query, execute that query on the database, and return a clear natural-language answer.

## Skills & Tools

**Programming:** SQL, Python (Base, Pandas, Numpy, Matplotlib, Scikit-Learn, Keras),

**Tools:** Tableau, Github, AWS (S3, Lambda, IAM, EC2, SageMaker, RDS, DynamoDB, Glue)

**Math:** Linear Algebra, Statistics (Hypothesis Testing, AB Testing, Central Limit Theorem, Distributions)

**Machine Learning:** Linear Regression, Logistic Regression, Decision Trees, Random Forest, KNN, k-means, PCA, Association Rule Learning, Causal Impact Analysis, Neural Networks

## Education

### Bachelor of Science: Mathematics

01/2015 to 11/2021

Federal University of Technology Owerri (FUTO)

Nigeria

### Master of Science: Data Science and Big Data Analytics

01/2025 to Current

Wrexham Glyndwr University

Wales