

# CHIBUIKE ONUBA | Data Scientist

Port Harcourt, Nigeria

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## Experience

### Data Analyst

*TransAfam Power Ltd*

*May 2023 – October 2023*

- Increased procurement efficiency by 20% via real-time data manipulation using Advanced Excel and Power Query in the procurement tracker.
- Revamped supplier evaluation process by identifying data trends and KPIs leading to a 20% increase in on-time deliveries and a 15% reduction in procurement costs.
- Prepared a mid-year analysis report for the department using data visualizations tools such as Power Bi, Excel and Power Point.

### Data Scientist

*OmdenaAI*

*January 2023 – May 2023*

- Collaborated with a diverse team of over 50 data scientists to develop a machine learning Autism Prediction model and pipeline, aiding over 20 hospitals across India in promptly identifying early signs of autism in children.
- Improved recall in the Autism Prediction model by 15% by using feature engineering and hyperparameter tuning techniques with Python and Grid Search, boosting precision in detecting autism cases.
- Published research in a peer-reviewed journal, enhancing understanding of early ASD detection methods and receiving 600+ impressions in the first week.

## Projects

### ReviewScope: Customer Review Sentiment Analysis App | *Python, NLP, Streamlit, NLTK...*

- ReviewScope is an innovative project leveraging Natural Language Processing (NLP) to analyze the sentiment embedded within customer reviews of a product. By employing advanced NLP techniques, ReviewScope extracts valuable insights from customer feedback, shedding light on the overall sentiment towards the product.
- The project features an interactive dashboard that provides users with a comprehensive overview of the sentiment expressed in the collected customer reviews.
- Through intuitive visualization and user-friendly interfaces, it offers actionable insights, allowing businesses to gauge customer satisfaction levels effectively.

### Driver Drowsiness Detection System | *Python, OpenCV, Machine Learning, CNN, Mediapipe...*

- The system uses Python's Mediapipe library to detect facial landmarks, collects a calibration of the alert driver before driving begins and utilizes CNNs to analyze real-time video and sensor data.
- The system calculates facial recognition parameters such as Ear-Aspect Ratio (EAR) in real time to estimate a threshold between drowsy and alert and displays a brief summary of the driver drowsiness data.
- Features a real-time audio and visual alert system that notifies drivers and potentially, relevant authorities when drowsiness is detected, enhancing road safety.

## Technical Skills

- Languages:** Python, C++, R, SQL, HTML/CSS, Java
- Developer Tools:** VS Code, Jupyter Notebook, Google Colab, AWS, GCP, Snowflake, Looker, Power BI, Streamlit, Flask
- Technologies/Frameworks:** XGBoost, Decision Tree, LLMs, Numpy, Seaborn, CI/CD, NLP, MLOps, Pytorch, Git, GitHub

## Education

**University of Nigeria Nsukka**

**Enugu, Nigeria**

*Bachelor of Science in Computer Science*

**CGPA:** 3.93/5.0

**Coursework:** ML/AI, Data Structures and Algorithms, Database Management & Design, Project management, etc.

## Volunteer Experience

- Tutored over 200 pupils from 5 schools on basic programming knowledge and applications using Scratch Programming software under **Meenah Tech Solutions**.

## Certifications

- Aspire leadership Certification by HBS
- IBM Certified Data Scientist