

TEMITOPE ABISOLA

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PROFILE SUMMARY

A Certified Data Scientist/Analyst and Machine Learning Engineer adept in Python and its ecosystem, R, SQL, and other data tools for comprehensive data analysis, forecasting, prediction, and visualization. Skilled in developing and deploying advanced machine learning models and algorithms to propel business expansion and refine decision-making processes. Motivated to embrace fresh challenges both independently and collaboratively, leveraging expertise in data science and machine learning to innovate solutions through algorithmic design and robust data structures.

EXPERIENCE

Data Analyst - Freelance

October 2023 - Present

- Collecting, cleaning, and analyzing data from various sources to extract actionable insights, such as increasing sales by 10%, improving customer retention by 15%, and reducing website bounce rates by 20%.
- Creating and maintaining data visualizations and dashboards using tools like Tableau or Power BI to effectively communicate findings to stakeholders, resulting in a 25% increase in data-driven decision-making and a 30% reduction in time spent on data analysis.
- Collaborating with clients to understand their analytical needs and develop tailored solutions, including predictive modeling, segmentation analysis, and trend forecasting, leading to a 20% improvement in forecasting accuracy and a 15% increase in marketing campaign ROI.
- Providing data-driven recommendations and strategies to support business decision-making processes, such as optimizing marketing campaigns, improving operational efficiency, and identifying new revenue opportunities, resulting in a 10% increase in profit margins and a 15% growth in market share.

Data Analyst - Stellar Beverages Ltd

August 2020 – September 2022

- Implementing data-driven strategies to optimize inventory management, resulting in a 20% reduction in excess inventory and a 15% increase in inventory turnover.
- Developing predictive maintenance models based on historical data, leading to a 25% decrease in equipment downtime and a 30% reduction in maintenance costs.
- Analyzing customer purchase patterns to enhance product recommendations, resulting in a 15% increase in cross-selling and upselling revenue.
- Utilizing data analytics to identify and mitigate supply chain risks, resulting in a 20% reduction in supply chain disruptions and a 25% improvement in supplier performance.

Account Officer - Access Bank Plc

January 2020 – July 2020

- Managed accounts receivable and accounts payable processes, ensuring timely invoicing and payment processing for a portfolio of clients.
- Conducted financial analysis and prepared detailed reports to support decision-making and regulatory compliance, including monthly financial statements and variance analyses.
- Monitored cash flow and budgetary allocations, implementing cost-saving measures that resulted in a 10% reduction in operational expenses.
- Collaborated with internal teams and external stakeholders to resolve discrepancies and maintain accurate financial records, resulting in improved transparency and streamlined financial processes.

Sales & Reporting Analyst - Nigerian Bottling Company (Coca-Cola)

July 2017 – October 2017

- Generated sales forecasts and performance metrics reports, leading to a 15% increase in forecast accuracy and a 10% improvement in sales target achievement.
- Analyzed sales data to assess product performance and market trends, resulting in a 20% increase in sales of high-performing products and a 10% expansion into new market segments.
- Developed and maintained sales dashboards and visualizations, enhancing visibility into sales performance and contributing to a 15% increase in sales productivity.
- Conducted ad-hoc analysis to support sales initiatives, facilitating a 10% increase in average deal size and a 5% improvement in customer retention rates.

TECHNICAL SKILLS

<i>Skills</i>	<i>Tools</i>
<i>Databases</i>	MySQL, Microsoft SQL Server, PostgreSQL
<i>Web Technologies</i>	Python, C#
<i>Tools/IDE</i>	Google Colab, Jupyter Lab, Visual Studio, PyCharm
<i>Data Wrangling</i>	pandas, SQL, Microsoft Excel, Power BI
<i>Machine Learning Frameworks</i>	Scikit learn, NumPy, SciPy, Apache Spark, Gradio, Streamlit
<i>Big Data Tools</i>	Apache Spark
<i>Version Control</i>	GitHub, GitLab
<i>Data Visualisation tool</i>	Power BI, Seaborn, Matplotlib, Plotly
<i>Deep Learning</i>	PyTorch, TensorFlow
<i>Operating System (OS)</i>	Windows, Linux

PROJECTS

Machine Learning Engineer Project

Proxy Machine Learning Models for Explainability

Tech-stack: Python, Pandas, Numpy, PyTorch, Seaborn, Sckit-learn, Matplotlib, OverLeaf, Git

- Conducted extensive research, and created and implemented a machine learning model capable of explaining and providing transparent insights into the decision-making process of complex machine learning models.
- A black-box model (complex machine learning models) was built and then the prediction output of the black-box model to train the proxy models.
- The best-performing proxy model after it was trained with the black-box predictions output was the “Decision Tree Model” which explains 88% of the variance of the black-box predictions.

Data Scientist/Machine Learning Engineer

Car Price Prediction

- In this project, the primary objective was to effectively leverage a database containing anonymized vehicle advertisements and to predict the price of a car given some parameters.
- By Seamlessly integrating data preprocessing, feature engineering, optimal regression model selection, and comprehensive interpretability analysis, this project accomplished a nuanced understanding of vehicle price prediction, bolstered by the successful deployment of advanced machine learning techniques.

Robotic-Assisted Surgery in Healthcare Prediction of Diabetic Retinopathy from Fundus Photography Images of Patients Using Deep Learning Algorithms

- Curated and preprocessed a dataset of fundus photography images of diabetic retinopathy patients for model training, ensuring data quality and standardization.
- Developed and optimized deep learning models, employing techniques such as transfer learning and interpretability analysis to predict diabetic retinopathy from fundus images
- Collaborated with healthcare professionals to deploy the trained model into clinical workflows, facilitating early detection and management of diabetic retinopathy in healthcare settings.

EDUCATION

MASTER OF SCIENCE IN DATA SCIENCE

September 2022 – September 2023

Manchester Metropolitan University, Manchester, United Kingdom.

- Key Modules: Principles of Data Science, Machine Learning Concepts, Computational Math Analysis and Statistics, Advanced Machine Learning, Data Management and Governance, Deep Learning, Algorithms & Data Structures, Big Data.
- Strong Knowledge and skills to acquire, curate, manage, and analyze data for solving real-world problems.
- Transferable computational and statistical thinking skills to create and deploy data-driven products.
- Able to communicate findings and address any legal or ethical questions that come with data processing

BACHELOR OF SCIENCE IN INDUSTRIAL CHEMISTRY

October 2014 – November 2023

Oduduwa University, Osun Nigeria.

- Strong foundation in problem-solving and critical thinking skills.
- Developed effective communication skills for presenting technical information to diverse audiences.

CERTIFICATIONS

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| • Databricks Certified Machine Learning Associate | Ongoing |
| • Data Camp Associate Data Scientist | Ongoing |
| • Microsoft Professional Program in Data Science | Dec 2022 |
| • Google Data Analytics Certification. | June 2020 |
| • Google Skills for Africa; Digital Marketing Course, Customer Relationship Management | April 2020 |