Olusola Timothy OGUNDEPO

• Data Scientist   • Google IT Certified   • Researcher   • Trainer

📞 (+234) 7083831617   http://   ⬇ olusolaogundepo@gmail.com

in ✕ ○

PROFILE SUMMARY

Data Scientist with over five years of experience translating complex sales and healthcare data into actionable insights that inform strategic decision-making. Highly proficient in Python and R, with strong expertise in business intelligence tools including Power BI and Tableau, I deliver data-driven solutions that improve performance and profitability. My experience spans machine learning, statistical analysis, and data visualisation, with impactful contributions across marketing, education, and consulting. I have led the development of AI-powered systems, mentored professionals, and championed data-centric practices to achieve measurable results. I am keen to contribute my analytical and research expertise to an organisation that values innovation, vision, and forward-thinking leadership.

EDUCATION

M.Sc. Mathematical Sciences (Data Science Major)	– African Institute for Mathematical Sciences, Rwanda	*(Aug 2025 – Present)*
Activities and societies:	Data science and IT club leader	
Scholarship:	Mastercard Foundation Scholarship	

B.Sc. (Ed.) Computer Science	– University of Ilorin, Ilorin, Nigeria	*(Oct 2018 – Oct 2023)*
Achievements:	Best Graduating Student in the Department of Computer Science and Education	

ALX-T Data Analyst Nanodegree	– Udacity	*(Apr 2022 – Oct 2022)*
Achievements:	Among the Top 5 candidates in Adeniran's team that successfully completed all projects on time	

SKILLS

Programming Languages	Python, R, SQL, Bash Scripting, Java, C, C++
Business Intelligence Tools	Microsoft Power Automate, Power BI, Excel; Snowflake, Tableau, Salesforce, Looker, dbt
Research Tools	Quarto, ArcGIS, Git, Plotly, Scikit-Learn
Office Tools	Microsoft Office 365
Data Analysis Skills	Data Visualization, Statistical Analysis, Predictive Modelling, Data Cleaning, and Automation
Soft Skills	Team Collaboration, Problem-Solving, Data Storytelling, Effective Communication (Technical and Non-Technical), Leadership

PROFESSIONAL EXPERIENCE

Instructor – Thomas Adewumi University, Career Center, Kwara State   *(Feb 2025 – May 2025)*

- Delivered hands-on instruction to final-year students on core data analytics concepts using Microsoft Excel and Google Sheets.

- Taught data entry, structuring, formatting, and cleaning techniques essential for accurate and efficient analysis.

- Demonstrated spreadsheet-based analysis and visualisation best practices to convert raw data into meaningful insights.

- Applied real-world use cases to reinforce analytic thinking and prepare students for academic research and industry demands.

- Cultivated an interactive learning environment through guided exercises, collaborative problem-solving, and peer-driven feedback.

Data Specialist – Lagos State Ministry of Innovation, Science and Technology   *(Oct 2023 – Nov 2024)*

- Successfully transformed 100% of raw health data into structured, analysable datasets using Python, ArcGIS, and Power BI, resulting in a 65% increase in data accuracy and faster turnaround times for data-driven projects.

- Leveraged advanced data analytics and visualisation techniques to pinpoint water deficit areas, delivering a 70% enhancement in water production and distribution efficiency across Lagos State.

- Published interactive Power BI dashboards on the Eko360 website, enabling over 60 public health officials and stakeholders in Lagos State Ministries to make swift, evidence-based decisions.

- Developed and automated reporting workflows using Quarto, resulting in a 65% increase in team efficiency and enabling timely delivery of comprehensive insights to various ministerial stakeholders.

- Collaborated with cross-sector experts, including Data Science Nigeria (DSN) fellows, to boost data-sharing capabilities, achieving 100% accessibility of information for all relevant stakeholders and improving inter-ministerial cooperation.

Data Analyst – FestMan Talent Hub, Ghana (Contract)   *(Jul 2024 – Sep 2024)*

- Automated ETL processes in Power BI for the FestMan Electronic Sales Performance project, reducing data processing time by approximately 25%.

- Identified key trends through statistical data analysis, driving a 15% improvement in operational efficiency and benefiting a stakeholder group of seven.

- Analysed sales pipelines, conversion rates, and customer acquisition metrics to uncover growth opportunities, contributing to a 12% increase in partner business performance.

- Built interactive dashboards that increased data-driven decision-making by 30%, based on survey responses from these stakeholders.

- Leveraged advanced data delivery and reporting capabilities to provide weekly insights to leadership, achieving a 20% improvement in strategic decision-making and overall organisational responsiveness.

- Deployed streamlined Power BI data modelling, connecting multiple datasets, to cut analysis time by 20% while enhancing forecast accuracy.

Freelance Data Analyst - Self-Employed / Independent Consultant   *(Apr 2020 – Present)*

- Executed comprehensive data cleaning and wrangling using Python, Excel, and Google Sheets, reducing data errors by 85% and ensuring robust data accuracy for in-depth analysis.

- Utilised Python libraries (BeautifulSoup, Scrapy, and Requests) for web scraping, increasing data coverage by 70% and enhancing business intelligence capabilities.

- Developed interactive data visualisations with Plotly, reducing reporting time by 40% and enabling advanced data interaction and in-depth insight exploration for clients.
- Implemented custom machine learning pipelines to tackle project-specific challenges, delivering actionable insights that boosted client ROI by an average of 20%.

Data Science – GBG Analytics Limited, Lagos, Nigeria (On-site)   *(Nov 2019 – Oct 2022)*
- Advocated for data-driven decision-making by transforming raw data into actionable insights through effective storytelling and interpretation.
- Automated analytics processes with Google Sheets, Google Apps Script (JavaScript), and Python, reducing manual work by 80%.
- Created and maintained documentation of data sources, metrics definitions and projects analysis methodologies.
- Contributed to data science projects, providing strategic insights that informed business decisions.
- Introduced advanced forecasting models for a business client's sales process, increasing forecast accuracy by 40% and enabling proactive supply-chain management.
- Deployed dynamic BI dashboards to monitor key performance indicators, reducing reporting time by 60% and ensuring real-time business analysis for more informed decision-making.

Data Science Intern – 10 Academy, Accra, Ghana (Remote)   *(May 2019 – Nov 2019)*
- Contributed to multiple machine learning and data science projects, applying data-driven techniques that enhanced project efficiency and accelerated outcomes.
- Demonstrated proficiency in Python and SQL for database management, optimising data organisation and improving retrieval speed by streamlining processes.
- Employed web scraping methods to gather Twitter data for subsequent analysis, showcasing robust data acquisition and manipulation skills.

EXTRACURRICULAR & VOLUNTEER EXPERIENCE

Instructor - Thomas Adewumi University (TAU) AI General Assembly   *(Jun 2024)*
- Introduced final year students to programming, focusing on Python and R.
- Developed presentation slides to enhance engagement and ensure a smooth flow of sessions.
- Hosted and managed shared code repositories on GitHub, ensuring version control and accessibility.
- Supported fellow instructors in engaging with students and addressing their needs during presentations.
- Taught Power BI for data transformation and building dashboards to improve students' data visualisation skills.
- Assisted students in creating professional LinkedIn profiles to enhance their online presence and career prospects.

Facilitator – Lagos Bureau of Statistics Power BI Training   *(May 2024)*
- Contributed to designing and delivering targeted training sessions to help LBS employees develop advanced data analysis and visualisation capabilities using Microsoft Power BI.
- Guided professionals through practical exercises focusing on data transformation, modelling, and best practices in building dynamic reports and dashboards.
- Provided one-to-one support to ensure participants could seamlessly connect multiple data sources and apply analytical techniques in real-world scenarios.
- Worked closely with administrative staff to coordinate logistics, ensuring all attendees had the tools and resources needed for a successful learning experience.

Volunteer – Deep Learning IndabaX Nigeria   *(Jun 2023)*

- Contributed to the planning and execution of a large-scale AI-focused event, aimed at fostering greater understanding and practical engagement with machine learning among students, professionals, and researchers.

- Organised and facilitated sessions covering the functionalities and real-world applications of emerging AI tools, helping attendees bridge theory and practice.

- Provided hands-on support during workshops and networking sessions, raising awareness about AI's transformative potential across diverse industries.

- Collaborated closely with guest speakers, academic institutions, and volunteers to coordinate logistics, ensuring the event ran seamlessly and attendees could fully benefit from the programme.

RESEARCH & PROJECT EXPERIENCE

Default of Credit Card Clients – Statistical Analysis and Modeling

- Conducted exploratory data analysis on 30,000 credit card records, identifying payment behaviour as the strongest risk predictor with 78% increased default odds per delay month.

- Developed a logistic regression model applying forward stepwise AIC optimization to select 18 key features, achieving 97.2% specificity and AUC of 0.725 in credit default prediction.

- Evaluated model performance using ROC curves and confusion matrix analysis, delivering actionable insights for financial institutions' credit risk management strategies.

Business Intelligence Dashboard for Electronics Retail Analytics

- Designed and deployed an end-to-end Power BI analytics solution for Festman Electronics, processing comprehensive sales datasets to track performance across 6 product categories, multiple brands, and global distribution channels.

- Applied advanced data modelling and DAX calculations to uncover critical business insights, including a 40% revenue concentration in the Computers category ($19.3M) and consistent seasonal patterns driving strategic inventory planning.

- Delivered evidence-based strategic recommendations to optimise channel performance and product portfolio management, translating complex datasets into executive-level insights that informed marketing and operational strategies.

Deep Learning for Personalized Book Recommendation System

- Applied advanced deep learning techniques, including collaborative filtering and transformer models, to develop a robust book recommendation system.

- Conducted an in-depth assessment of the Bookcrossing dataset, addressing data quality issues to ensure high integrity for model training.

- Optimised the system using various models and selected the most effective approach, a critical learning experience for future research in AI-based systems.

Student Performance Evaluation

- Extracted and transformed data from over 600 features, focusing on 29 key indicators to streamline the analysis.

- Utilised robust multivariate visualisation methods to reveal the impact of parental involvement on academic outcomes, offering deeper insights into student achievement trends.

- Delivered actionable recommendations for educators and policy-makers, underpinned by rigorous empirical evidence from comprehensive statistical analysis.

CERTIFICATIONS

Working in a Digital World: Professional Skills – IBM Skill Build 🔗 *(2024)*
- The Professional Skills learning plan covered in this professional certificate include: Collaborate Effectively, Present with Purpose, Interpersonal Skills, Deliver Quality Work with Agility, and Solving Problems with Critical and Creative Thinking. These skills have successfully shaped my professional abilities in various facet of digital environment.

Google IT Automation with Python Specialisation – Google/Coursera 🔗 *(2022)*
- This specialisation course developed by Google covers intricate of Python and some other tools for IT automation. The courses covered include: Crash Course on Python, Using Python to Interact with the Operating System, Introduction to Git and GitHub, Troubleshooting and Debugging Techniques, Configuration Management and the Cloud, Automating Real-World Tasks with Python

Power BI Super Users Workshop – Enterprise DNA 🔗 *(2022)*
- This workshop focused on optimising key features of the Power BI suite. It covered mastering the four pillars of Power BI Desktop: data loading and transformation, data modelling, DAX calculations, and report development. The course enhanced my skills in building analytical models, utilising advanced DAX techniques, creating compelling reports, and implementing best practices for Power BI within organisations.

Mastering DAX Calculations – Enterprise DNA 🔗 *(2022)*
- This course focused on advanced Data Analysis Expressions (DAX). It covered complex functions, optimisation techniques, and best practices for efficient data modelling. The training enhanced my ability to perform intricate data analysis, create sophisticated measures, and develop high-performing analytical solutions.

Spreadsheet Fundamentals Track – Datacamp 🔗 *(2022)*
- This professional certificate comprised five courses: Introduction to Google Sheets, Data Analysis in Google Sheets, Intermediate Google Sheets, Pivot Tables in Google Sheets, and Data Visualisation in Google Sheets. These courses enhanced my ability to effectively manipulate, analyse and visualise data using Google Sheets.

Importing & Cleaning Data with Python Track – Datacamp 🔗 *(2022)*
- Gained skills in importing data from diverse sources (Excel, SQL, SAS, web, APIs), diagnosing and cleaning messy data, reshaping DataFrames using pandas, and applying data manipulation techniques in a practical context, including Airbnb market trend analysis.

Applied Data Science II: Machine Learning & Statistical Analysis (with honors) *(2021)*
– World Quant University 🔗
- This professional course focused on advanced data science topics, including machine learning algorithms and statistical analysis techniques. It enhanced my skills in building predictive models, performing statistical inference, and applying machine learning methods to real-world datasets.

TensorFlow for AI, Machine Learning, and Deep Learning *(2020)*
– DeepLearning.AI/Coursera 🔗
- This course provided a comprehensive introduction to TensorFlow, an open-source machine learning framework, which enhanced my skills in building and training neural network models.

Excel Skills for Business Specialisation – Macquarie University/Coursera 🔗 *(2020)*
- This specialisation enhanced my Excel skills for business applications, covering advanced formulas, data modelling, pivot tables, and interactive dashboards—improving my ability to efficiently analyze and visualize business data.

SQL for Data science – University of California (UC Davis)/Coursera 🔗 *(2020)*

- This course covered the core concepts and techniques of SQL for data science. It involved writing advanced queries, managing relational databases, and optimising data retrieval. The training strengthened my ability to construct data pipelines, extract actionable insights from large datasets, and support data-driven decisions.

Applied Data Science I: Scientific Computing & Python for Data Science *(2019)*
– World Quant University 🔗

- This professional course introduced essential Python libraries for data analysis and scientific computing, covering topics such as NumPy, pandas, and data visualisation. It equipped me with the skills to build robust data pipelines, perform complex computations, and address real-world challenges in a data-centric environment.

*...click **here** to see more of my professional certifications.*

CONFERENCES AND WORKSHOPS ATTENDED

DevFest Ibadan 2024 Conference 🔗 *(2024)*
- DevFest Ibadan is an annual conference organised by the Google Developer Group (GDG) Ibadan. The conference is a celebration of innovation, knowledge-sharing and community building - which provides a platform for tech, professionals, students and enthusiasts to learn.

University of Ilorin 239th Inaugural Lecture 🔗[1] 🔗[2] *(2023)*
- "Deconstructing the Crawling Mindsets: Combating Security Challenges of the Net-Centric Computing", delivered by Professor Rasheed Gbenga Jimoh, Department of Computer Science, Faculty of Communication and Information Sciences, University of Ilorin.

Deep Learning IndabaX Nigeria 2022 Conference 🔗 *(2022)*

- IndabaX is a program designed to strengthen the machine learning community in African by spreading knowledge and building capacity in machine learning (ML) and artificial intelligence (AI).

CONTRIBUTIONS (OPEN-SOURCE DEVELOPMENT)

Dockgispy Package – Contributed to the development of the Dockgispy package, a low-code, all-in-one Python-GIS environment designed to streamline GIS workflows by eliminating setup complexities, enhancing productivity, and accelerating the transition from ideation to development. 🔗

PUBLICATIONS & ARTICLES

Medium | Mastering CSS Media Query: An Effective Way of Adjusting Screen Sizes in CSS 🔗 *(2025)*

Medium | Machine Learning Model Testing: A Comprehensive Guide to Effective Validation 🔗 *(2024)*

Medium | Practical Guide to Testing Machine Learning Models in Python 🔗 *(2020)*

SCHOLARSHIPS, PRIZES, DISTINCTIONS AND/OR AWARDS

- Top Performing and Engaging Personnel Award *(2024)*
- Spark9ja x DataCamp Scholarship *(2024)*
- Top performing student in the Department of Computer Science and Education award *(2023)*
- ALX-T Data Analyst Nano degree scholarship *(2022)*
- DSN Artificial Intelligence Datacamp Scholarship *(2020)*
- Coursera's premium grant through the Coursera for Campus Initiative during the COVID-19 pandemic *(2020)*

PROFESSIONAL MEMBERSHIP / AFFILIATIONS

Member	Google Developer Groups – GDG Ibadan	*(2024)*
Member	Data Accelerator Fellow (DAF)	*(2024)*
Member	Unilorin Scholars Forum	*(2023)*
Member	ALX Alumni Community	*(2022)*
Member	10 Academy Alumni Community	*(2022)*
Member	14G Community	*(2022)*
Member	AI+ Data Science Nigeria (DSN)	*(2020)*