

# DR. OLUWABAMISE DAVID OMOLASO

Medical professional | Expertise in data science, cloud computing and machine learning | Healthcare innovation through AI

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## PROFESSIONAL SUMMARY

I am a results-driven Data Scientist with over 3 years of experience using advanced analytics, machine learning, data engineering, and cloud computing to empower business decisions across diverse sectors, including healthcare, banking, logistics, and education. I specialize in developing scalable data solutions, predictive models, and automation frameworks that streamline operations and support strategic decision-making. Throughout my career, I have successfully designed and implemented end-to-end data pipelines, created dynamic dashboards, and deployed AI-driven models on cloud platforms that significantly enhanced business efficiency and performance. My expertise spans statistical analysis, feature engineering, big data technologies, cloud infrastructure, and the extraction of actionable insights from complex datasets, enabling organizations to make informed, data-backed decisions.

## CORE AND TECHNICAL SKILLS

• Advanced Analytics	• Problem Solving	• Python (Pandas, NumPy, Scikit-learn)	• Data Visualization (Matplotlib, Seaborn, Power BI)
• Machine Learning	• Communication	• SQL	• Docker, Kubernetes
• Data Engineering	• Critical Thinking	• Cloud Platforms (AWS, Azure, GCP)	• Big Data Technologies (Spark, Hadoop)
• Predictive Modeling	• Team Collaboration	• Machine Learning Algorithms	
• Cloud Computing	• Decision-Making		
• Data Pipeline Design	• Adaptability		
• Feature Engineering	• Time Management		

## PROFESSIONAL EXPERIENCE

January 2025 – Present	<b>Data Science Consultant</b> <i>AMDARI   Alberta, Canada</i> <ul style="list-style-type: none"><li>Developed and implemented predictive models, improving customer retention by 15% and driving a 20% revenue increase through targeted marketing strategies.</li><li>Conducted cohort analysis and segmentation using machine learning, enhancing business decision-making in the financial and e-commerce sectors.</li><li>Delivered interactive dashboards and visualizations, providing key insights to stakeholders and aligning data solutions with business goals.</li></ul>
December 2024 – Present	<b>Cloud Community Lead</b> <i>NextWork</i> <ul style="list-style-type: none"><li>Led AWS project demos and mentoring sessions, empowering members to build cloud skills and achieve certifications.</li><li>Developed and shared resources, including project guides and tutorials, to support community growth and engagement in cloud learning.</li><li>Delivered workshops on cloud computing and AWS services, helping learners navigate real-world cloud challenges and develop industry-ready skills.</li></ul>

## INTERNSHIPS

Aug 2023	<b>Applied Data Science Lab</b> <i>World Quant University</i> <ul style="list-style-type: none"><li>Successfully finished an intensive program, executing eight distinct data science projects. Skills demonstrated include data extraction from various sources (files, SQL/NoSQL databases, APIs), data cleaning, ETL pipeline creation, and machine learning model development.</li><li>Projects covered a broad range of applications, including real estate price analysis in Mexico, apartment sales prediction in Buenos Aires, air quality modelling in Nairobi, earthquake damage assessment in Nepal, bankruptcy prediction in Poland, customer segmentation in the US, A/B testing for WorldQuant University, and volatility forecasting in India.</li><li>Expertly crafted data visualizations and interactive dashboards, effectively communicating complex data insights and model predictions to non-technical stakeholders.</li></ul>
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Mar 2023	<b>Data Analyst Nanodegree Program</b> <i>Udacity</i> <ul style="list-style-type: none"> <li>Completed a 4-month intensive program, conducting an in-depth analysis of the FordGO Bike dataset, which included data cleaning, feature engineering, and transformation of data types for 183,412 records across the San Francisco Bay area.</li> <li>Performed exploratory data analysis, revealing key insights such as an inverse relationship between ride duration and distance, and a higher average trip duration for female users and customers compared to their counterparts.</li> <li>Identified and presented significant findings, including the distribution of trips by time of day and user demographics.</li> </ul>
Mar 2023	<b>Data Science Internship Program</b> <i>Hamoye, Nigeria.</i> <ul style="list-style-type: none"> <li>Completed a comprehensive 4-month training program, mastering Basic Python, Git, Version Control, and advanced data analysis techniques such as regression, neural networks, and NLP.</li> <li>Worked collaboratively with a multinational team to develop and deploy a model forecasting currency exchange closing prices, using ARIMA and Prophet models, with model deployment on Streamlit.</li> <li>Presented the team's project live on YouTube presentation leading to the team being recognized as the second-best performing group, showcasing strong collaboration and communication skills.</li> </ul>

## PROFESSIONAL CERTIFICATIONS

Certificate	Certification ID	Issued By	Year
ALX Cloud Computing Professional Course		ALX	2025
AWS Certified Solutions Architect – Associate	033c7678b6cc435891b015d15367bc9b	AWS	2025
AWS Certified Cloud Practitioner	43fcb59976f14946aec5cc2a927a6b2a	AWS	2024
Google Data Analytics Professional (8 in 1)	GU8X3XBKX6XA	Google (Coursera)	2023
Python for Data Science, AI & Development	A52RKLLUQKVS	IBM (Coursera)	2023
Hamoye Datascience Fellow	1603792dd001f000	Hamoye	2023
Foundations of Data Science: K-Means Clustering in Python	3GGQY55ZYSS5F	Coursera - Goldsmiths, University of London	2022

## OTHER PROJECTS

2024	<b>Power BI Visualization of Awesome Chocolates Sales</b> <a href="#">view dashboard</a> <ul style="list-style-type: none"> <li>Performed data cleaning, handling missing data, standardizing formats (dates, revenue, costs), and applying currency conversions. Created calculated fields like profit margins and month-over-month changes.</li> <li>Generated actionable insights, such as a 10.8% decline in sales despite \$34M in revenue, 19.3% improvement in costs, and identified product performance gaps.</li> <li>Delivered recommendations for improving underperforming products, optimizing shipment efficiency, and boosting marketing during low-demand periods.</li> </ul>
2023	<b>Diabetes Risk Prediction Model for PIMA Indians: Development and Deployment</b> <ul style="list-style-type: none"> <li>Developed a predictive model for diabetes among PIMA Indians, applying machine learning techniques and leveraging medical expertise to identify and correct dataset anomalies, including erroneous zero values in crucial variables.</li> <li>Enhanced the model's accuracy by experimenting with various algorithms; Logistic Regression was identified as the most effective based on key metrics such as accuracy and precision.</li> <li>Deployed the model on a <a href="#">live application</a> to facilitate real-time diabetes risk assessment, offering a novel, non-invasive approach to disease onset detection and personalized lifestyle recommendations.</li> </ul>

## EDUCATION

Jun 2014 – Oct 2021	<b>Bachelor of Medicine and Bachelor of Surgery (MBChB)</b> <i>Obafemi Awolowo University (OAU), Ile Ife, Nigeria</i>
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## AWARDS & ACHIEVEMENTS

2024	3 <sup>rd</sup> Runner up in Dec 2024 10Alytics Global DataHackathon with over 1000 participants and 119 submissions
2022	Association of Resident Doctors, Lagos State University Teaching Hospital, Award of Meritorious Service for excellent services in the editorial committee