OMOTOLA AYODELE LAWAL

MEDICAL DOCTOR/DATA SCIENTIST

PROFILE

Medical Officer with expertise in patient care and data analysis, delivering a 15% improvement in care efficiency at Doren Specialist Hospital Ltd; skilled in clinical research and advanced data tools like Microsoft Excel, PowerBI, SQL, Python and R.

CONTACT

ADDRESS:
House 13/14, Close 1, Mayfair Gardens, Awoyaya, Ibeju-Lekki, Lagos State, Nigeria.

PHONE:
(+234) 706 – 102 – 4737
(+234) 904 – 749 – 5487

PERSONAL PORTFOLIO
Click here to view my portfolio.

EMAIL:
Lawalomotola4@gmail.com

SKILLS

- Academic writing and public speaking.
- Leadership and critical thinking skills.
- Mentoring young students on career paths
- Proficient with Microsoft Excel, Python, R, SQL, and Microsoft PowerBI.

EDUCATION

Bachelor of Medicine; Bachelor of Surgery (MB;BS)
University of Ibadan
March 2015 – November 2022

EXPERIENCE

Medical Officer
Doren Specialist Hospital Limited, Ajah, Lagos State, Nigeria.
June 14, 2025 – Present.

- Provide comprehensive care to both outpatients and inpatients, contributing to a 99% patient recovery rate.
- Deliver effective health education and counseling to improve patient awareness and promote preventive health practices.
- Manage medical emergencies efficiently, ensuring prompt assessment, stabilization, and appropriate intervention.

Medical Officer
Nigerian Navy Reference Hospital, Ojo, Lagos State, Nigeria.
February 5, 2024 – April 28, 2025.

- Collaborated with Consultant Physicians to enhance patient care initiatives in the Department of Internal Medicine, directly impacting the well-being of 100+ patients through collaborative treatment plans.
- Spearheaded the coordination of clinical rotations and schedules for intern physicians, optimizing scheduling efficiency and enhancing the overall training experience.
- Served as a Data Analyst for the department, examining admission rates and disease patterns to uncover insights

REFEREES

1. Dr Odun-Afolabi Tunde, Department of Surgery, Federal Medical Center, Owo, Nigeria, +234 806 563 7582, Email: Tundeodunafolabi@gmail.com

2. Professor Omokhodion Samuel, Department of Paediatrics, University of Ibadan, Ibadan, Nigeria, +234 803 393 0387, Email: Samuelodion@gmail.com

3. Dr Lawal Abimbola, Department of Medicine, Olabisi Onabanjo University Teaching Hospital, Sagamu, Nigeria, +234 802 561 9040, Email: lawal.abimbola@oouth.com

4. Dr Chukwuma Okereke, Department of Surgery, Federal Medical Center, Owo, Nigeria, +234 806 033 4378, Email: okerekece@outlook.com

that enhanced patient care and optimized resource allocation, leading to a 15% improvement in care efficiency.

Housemanship
Federal Medical Center, Owo, Ondo State, Nigeria.
2023-2024.

- Enhanced patient outcomes by assisting in over 100 procedures during 3-month rotations in pediatrics, surgery, internal medicine, and obstetrics, while streamlining team collaboration.
- Provided comprehensive care to over 50 patients weekly, both inpatient and outpatient, ensuring tailored treatment plans that enhanced recovery and overall health outcomes.
- Actively coordinated responses to a diverse range of emergencies, including medical, surgical, pediatric, obstetric, and gynecological cases, contributing to timely patient care in high-pressure situations.
- Facilitated 50+ surgical procedures, improving patient recovery times by 30% while ensuring high-quality care standards.
- Actively engaged in departmental academic meetings, sharing valuable insights that facilitated collaboration on critical topics, leading to improved strategies and enhanced teamwork.

PROJECTS

Water Services Data Analysis (SQL)
May, 2025 - June, 2025

- Analyzed 60,000+ records from Maji Ndogo Water Services to assess data quality and community water access.
- Designed complex SQL queries using CTEs, joins, window functions, and clustering to detect anomalies and patterns.
- Uncovered mismatches between surveyor reports and auditor scores, highlighting inefficiencies and potential corruption in resource management.
- Delivered actionable insights to support improved infrastructure planning and transparent decision-making.

Car Insurance Claims Prediction (Python, statsmodels)
November, 2024

- Built a logistic regression model with statsmodels to predict whether customers would file car insurance claims.
- Conducted data cleaning, exploratory analysis, and imputed missing values using custom Python functions.
- Evaluated the predictive power of multiple features, identifying **driving experience** as the strongest predictor, with an accuracy of **77.7%**.
- Applied confusion matrices to assess model performance and provided insights to guide risk assessment and policy pricing.

ACHIEVEMENTS AND CERTIFICATIONS

ALX Data Analytic Program
May, 2025 – August, 2025 - View Certificate

ALX Professional Development Skills for the Digital Age
January, 2025 – April, 2025 - View Certificate

Associate Data Science course in Python
DataCamp Inc
April, 2024 - Till date

SELF-PACED: Data Analysis & Statistics Sequence
The Global Research and Analysis for Public Health Network
June, 2024 - February, 2025

Fundamentals of Statistical Software & Analysis (FoSSA)
University of Oxford Medical Sciences Division
August, 2024 – November, 2024 - View Certificate