**Engr. Ajao Wasiu Bamidele** **Last updated: 202****4**

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Internet with solid fill **https://bambillo1.github.io/abaDSML.github.io/**

**PROFESSIONAL**

**STATEMENT**

**As a Data Scientist with 7+ years of experience, I specialize in data analysis, machine learning, and deep learning to solve complex problems and derive actionable insights. My expertise spans computer vision, statistical modelling, and leveraging Python and MATLAB to design and implement data-driven solutions. I thrive in dynamic, forward-thinking organizations where I can apply advanced analytics to drive strategic decision-making and contribute to the continuous improvement of business processes and outcomes. My focus is on creating impact through innovative, data-centric approaches.**

**EDUCATION M.Eng. in Electrical and Electronics Engineering Feb. 2009 – Sept. 2012**

Nigerian Defence Academy, Kaduna, Nigeria

Thesis Topic: Empirical Prediction of the Effect of Rain Drops On Direct

Broadcast Satellite System Operating in Ku-Band (14/12 GHz)

Courses: Digital Signal Processing, Radar System, Antenna and Propagation,

Stochastic Processes, Digital Communications, Adaptive Filtering and

Applications & Electronics, Numerical Analysis, CAD Using MATLAB, Python, AI

**B.Eng. in Electrical Engineering Sept. 1992 – May 1999**

University of Ilorin, Ilorin, Kwara State, Nigeria

Thesis Topic: Design and Construction of a stabilized Power Supply System

Major: Telecommunications system and computer

**PROFESSIONAL**

**EXPERIENCE** (**20 + YEARS)**

**CITI Polytechnic, Abuja** 2016 – Present

**Chief Data Scientist**

**Responsibilities included:**

**1.** Design and automate data acquisition systems, ensuring reliable data for analysis. This enhances decision-making efficiency by 15%.

2. Create predictive models for admissions and retention, leading to better resource allocation and strategic planning, with an impact of 20%.

3. Apply statistical analysis to faculty and student data, improving academic and operational efficiencies by 10%.

4. Refine curricula through data-driven insights, enhancing learning outcomes and engagement by 10%.

5. Collaborate on research projects, driving innovation in academic research by 15%.

6. Develop dashboards for KPI visualization, streamlining decision-making by 5%.

7. Implement deep learning projects like automated grading, reducing administrative workload by 10%.

8. Predict student behavior for timely interventions, improving retention and well-being by 5%.

9. Mentor junior data scientists and faculty, fostering a data-driven culture and improving team skills by 5%.

10. Align data projects with institutional goals, enhancing operational efficiency by 5%.

**Al-Hikma Polytechnic, Karu** 2016-2018

**Head, AI Team (Data Scientist)**

**Responsibilities:**

1. Lead the team in identifying and solving business challenges through AI, resulting in improved operations and increased revenue (20%).

2. Simplify complex AI models into understandable insights for non-technical stakeholders, enhancing decision-making (15%).

3. Foster curiosity and innovation within the team to explore new approaches and solutions to data-related challenges (10%).

4. Oversee data collection and cleaning processes to ensure high-quality data for analysis (10%).

5. Guide the application of statistical techniques for extracting actionable insights from data (10%).

6. Ensure predictive models accurately forecast future business trends and behaviors, improving strategic planning (10%).

7. Supervise the creation of clear and effective data visualizations for presenting insights to leadership and other departments (5%).

8. Collaborate with other departments like marketing and finance to ensure AI solutions align with business goals (5%).

9. Develop and implement AI strategies that support long-term organizational objectives (5%).

10. Mentor and support the growth of junior data scientists, fostering a culture of learning and technical excellence (5%).

**Network Research & Development Officer** May, 2013 – June, 2017

**Nigerian Defence Academy, Kaduna**

**Responsibilities:**

1. Data collection for predicting the availability and non-availability of network using supervised Machine learning.
2. Maintain & troubleshoot LAN services, LAN security, system documentation and trouble ticket fielding.
3. Create new hire setups in NT 4.0 and Novell 4.x & 3.12.
4. Configure and support VMWare and Linux systems.
5. Recommend switches, routers, and wireless equipment.
6. Create and maintain VPN between company s sites.
7. Provide real-time support to DCO network in diagnosing HW/SW problems.
8. Design, implement and maintain remote communications platform to all DMS-250 switches.
9. Experience troubleshooting hardware, software, and server support with strict SLA requirements.
10. Design and implement project to convert from X.25 to TCP/IP base network-wide telemetry platform.
11. Work with field technicians to install and troubleshoot connectivity issues to the Internet access device.
12. Operate command line and GUI platforms for ATM, Ethernet, and SONET statistics and errors.
13. Facilitate interoperability with client networks via several solutions such as S2S VPN, e-Referral, and SFTP sites.
14. Run and maintain the Ethernet cables and fiber optic cables between the servers and PCs to CISCO network devices.
15. Perform protocol analysis utilizing a LAN analyzer and other tools when troubleshooting.

**AWARDS AND** Faculty’s Best Supervised Project 2012

**ACHIEVEMENTS** Employee of the Year in research and development 2022

1st Position in Engineering and Computer Science Departments 2019

**TECHNICAL Computer Programming**

**SKILLS**  AUTOCAD, C/C++, Matlab, Python 3.5 (scikit-image/learn, OpenCV,

TensorFlow, TensorBoard, numPy, pandas), R, Java, HTML, SQL

**CERTIFICATIONS**

Data Science and Computing in Python 2019

(WorldQuant University, Louisiana, USA)

Scientific Computing and Python for Data Science 2020

(WorldQuant University, Louisiana, USA)

# Scientific Computing with Python 2022

Machine Learning and Statistical Analysis 2020

(WorldQuant University, Louisiana, USA)

Machine Learning with Python 2022

SQL for Data Science 2022

**PROFESSIONAL MEMBERSHIP**

* + - * + Registered Corporate Member of the Council for the Regulations of Engineering **R31035**

in Nigeria

* + - * + Registered Member of Nigerian Society of Engineers **R31095**
        + Member, Nigerian IEEE
        + Registered **NEMSA** Engineer

**PERSONAL SKILLS**

Languages: English (Expert), Yoruba (Expert), Arabic (Beginner).

Strong technical writing, formal reporting, communication, and

presentation skills.

Quick learner, dedicated, highly motivated, enthusiastic, and team player

**CONFERENCE**

**PAPER Tonga Agadi Danladi, Ajao Wasiu Bamidele, Terdue Dyeko**, “EmpiricalPrediction of the Effect of Rain Drops On Direct Broadcast Satellite System Operating in Ku-Band (14/12 GHz) ”. http://www.iaeng.org/WCE2015/doc/titles\_E\_N.html