OKORO, NMESOMA MARVELLOUS

FIRST-CLASS COMPUTER SCIENCE GRADUATE

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PROFESSIONAL SUMMARY

First-Class Computer Science graduate with practical experience across **network operations, technical service delivery, data analysis, programming, automation, and dashboard development**. Hands-on exposure to ISP and enterprise environments using MikroTik, VLANs, BGP, OSPF, TCP/IP, fiber optics, and wireless links, alongside Python, SQL, Power BI, Excel, and machine learning tools. Demonstrated ability to troubleshoot technical issues, analyze information, coordinate stakeholders, and deliver projects through academic, professional, and leadership experiences.

CORE SKILLS

Technical & Programming: Python, SQL, Pandas, NumPy, Scikit-learn, LightGBM

Networking & Infrastructure: MikroTik, VLANs, BGP, OSPF, TCP/IP, Network Troubleshooting, Network Monitoring, Fiber Optics, Wireless Links, Service Delivery

Data & Analytics: Power BI, Advanced Excel, Data Cleaning, Data Visualization, Reporting, Feature Engineering

Tools & Platforms: Microsoft Excel, Power BI, Google Workspace, Incident/Ticket Management

Professional: Leadership, Problem-solving, Communication, Team Collaboration, Stakeholder Coordination, Analytical Thinking

PROFESSIONAL EXPERIENCE

Network Engineer | ipNX Jan 2025 – Present

- Support network core and service-delivery operations for ISP and enterprise services, monitoring connectivity and responding to service-affecting incidents.
- Troubleshoot Layer 2/Layer 3 connectivity issues involving VLANs, TCP/IP, BGP, and OSPF, isolating routing, switching, link, and reachability faults and validating service restoration.
- Use MikroTik equipment and network diagnostics to investigate device, interface, routing, and connectivity issues and communicate technical findings for escalation where required.
- Perform field checks at base stations, inspecting switches, Ethernet/fiber cabling, and wireless links to verify physical and logical network health during troubleshooting.
- Manage daily network incident and service-ticket activities, ensuring assigned issues are resolved or actively progressed rather than left unattended at the end of the day.
- Support enterprise customer services across ISP/backbone infrastructure, coordinating troubleshooting activities with internal teams to restore connectivity and maintain service performance.
- Contributed to troubleshooting and resolution of a service issue at the Aso Delight base station through structured fault isolation, equipment/cabling checks, and connectivity validation.
- Contributed to network performance improvements by identifying speed and latency issues, applying corrective troubleshooting steps, and confirming stability after remediation.

Internship – Data Analysis & Software Development | HiiT Plc, Abuja. Mar 2024 – Aug 2024

- Completed hands-on training in data analysis and Python-based software development, earning a certification from HiiT Plc.
- Applied Python to data cleaning, manipulation, visualization, automation, and basic application development tasks.
- Designed Power BI dashboards and Python visualizations for real-world case studies to communicate metrics and support decision-making.
- Collaborated with trainers and peers across software development workflows and analytical problem-solving activities.

EDUCATION & QUALIFICATIONS

BSc. Computer Science, First Class | Anchor University Jan 2022 – July 2025

- Ranked among the top five first-class students in a cohort of 50+ students.
- Relevant coursework: Machine Learning, Data Analysis, Algorithms.
- Final-year project: Developed a LightGBM-based AI model for fraud detection in real estate investments.

Best Graduating in Mathematics | Federal Government Girls College (FGGC) Sep 2014 – Nov 2020

- Best graduating Mathematics student in the science class among 40+ graduating students in the 2020 set.

PROJECTS

AI-Powered Fraud Detection for Real Estate Investments | Anchor University

- Developed a LightGBM-based machine learning model to detect fraudulent real estate listings, with a focus on protecting diaspora investors from fraudulent transactions.
- Analyzed financial and listing data, applying data processing and feature engineering to build predictive features and improve model performance.
- Presented findings at a university symposium, communicating technical work and its potential practical impact.
- Tools: Python, LightGBM, Pandas, Scikit-learn, Matplotlib

Interactive Dashboard Development with Power BI | HiiT Plc.

- Designed interactive Power BI dashboards to visualize key business metrics for real-world case studies and support data-driven decisions.
- Integrated data from multiple sources using SQL and Excel to produce accurate, dynamic reporting.
- Tools: Power BI, SQL, Excel

Data Cleaning and Visualization for Real-World Case Studies | HiiT Plc

- Built Python scripts to clean and preprocess datasets and created visualizations to communicate analytical findings.
- Tools: Python, Pandas, Matplotlib, Seaborn

Excel Automation Script for Data Processing | HiiT Plc

- Designed a Python-based automation workflow for repetitive data-processing tasks, reducing processing time by 30%.
- Used Pandas for efficient data manipulation and consistent handling of large datasets.
- Tools: Python, Pandas, NumPy

LEADERSHIP EXPERIENCE

Class Governor / Representative (First Female) | Anchor University Mar 2022 – June 2025

- Led peer tutoring for 20+ classmates in computing courses, contributing to a 15% improvement in average grades.
- Acted as liaison between students and faculty, helping resolve academic concerns and grade disputes affecting 10+ students.
- Mentored 20 junior students on academic planning and exam strategies and gathered course feedback to support improvements.
- Coordinated communication between students, lecturers, and the department and promoted timely distribution of course outlines.

General Secretary | National Association of Computing Students (NACOS) Jan 2025

- Coordinated administrative and communications functions for the departmental chapter.
- Coordinated the Nigerian Computing Society (NCS) inauguration, expanding industry exposure for 500+ students.
- Organized the first Tech Fusion, a department-wide technology event for 300+ students featuring keynote speakers, sponsorships, and competitions.
- Drafted sponsorship proposals to banks and alumni, securing N1 Million for Tech Fusion.

Assistant Financial Secretary | National Association of Mathematical Science Students (NAMSS) Jan 2023

- Managed financial records and prepared reports for departmental audits, maintaining 100% accuracy in recorded figures.
- Collaborated with staff and faculty to develop budgets for technology seminars and tracked expenses against available funds.

Head of Yellow House / Captain | Federal Government Girls College (FGGC) Mar 2019 – June 2020

- Supervised 50+ students in hostel maintenance and schedule compliance.

VOLUNTEER EXPERIENCE

Committee Member | TEDx Anchor Uni Jun 2024

- Supported planning and execution of the first Anchor x TEDx event on campus, including logistics, guest communications, venue setup, marketing, student outreach, and volunteer coordination.

Volunteer | Junior Achievement Nigeria Feb 2021 – Jun 2021

- Supported entrepreneurial and financial literacy programmes reaching about 5,000 secondary school students, university undergraduates, and early professionals in Abuja.

Administrative Assistant | Federal Inland Revenue Service (FIRS) Nov 2020 – Dec 2020

- Assisted companies with payable tax calculations and supported identification of companies that defaulted on payable VAT.