TOBI EKUNDAYO

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PROFILE

- A first-class Computer Science graduate and first-class Master's in Data Analytics at National College of Ireland, Dublin, Ireland. I am a data science enthusiast, seeking to deploy innovations in IT/business using Machine Learning, Computer Vision, Business Intelligence and Design Tools. I am a certified project management professional (PMP).
- 3.5 years' experience as a software solutions developer in telecommunications.
- 9 Months lecturing experience in Computer Science at undergraduate level.
- 4 Months professional experience in Data Analytics.

Strong Skills in – R and Python Programming Language, Power BI, Microsoft Excel, Machine Learning, SPSS

- Good knowledge of – VBA Macros, Tableau, Adobe XD, Flutter, MySQL, TensorFlow, PL/SQL, SOAP-UI Software
- Strong organizational skills, excellent communication and interpersonal skills, team player, project management, good time management, good optimization, and problem-solving skills.
- Seeking to transition to a career in Analytics.
- **Visa Status:** Stamp 1G. Eligible to work full-time under the third-level graduate scheme (1G).

WORK EXPERIENCE

National College of Ireland, Ireland | Sept 2020 – Till date
International Peer Mentor
- Student mentor to groups of International students assigned by the International Officer.
- Successfully delivered several planned events and activities for the International students through teamwork.

Nokia Networks, Lagos, Nigeria | Contracted to Centdoor Limited and AMSTEK Limited | **Sept 2019 – Dec 2019**
Network Planning & Optimization Engineer (Data Analyst)
Project: Network Swap/Optimization (705 Sites) – Airtel Nigeria *(Managed Services)*
- Designed, developed, and conducted report automations using excel macros (VBA).
- Analyzed and provided high level KPI reports for newly swapped airtel (2G & 3G) network stakeholders using telecommunication data mined from the network.
- Developed automated tools for 2G & 3G data (such as Daily Dashboard and Network Performance Dashboard).

Huawei Technologies | Contracted to Lightning Networks and Rutotech International | **Sept 2017 – Jun 2019**
Software Engineer
Project: Huawei Service Delivery Platform (HSDP) – MTN Nigeria *(Managed Services)*
- Planned, integrated, and configured several Value-Added Services (VAS) and Data products until its commercial launch. Some of the major projects include MTN mPulse (Teen-Plan), Disney-MTN, Win-Back promotional offers etc.
- Actively supported as a solutions architect by creating functional requirement specification reports, work-flow guide, and carried out use-cases/test cases to fulfil internal acceptance test for newly developed VAS solutions.
- Performed extensive troubleshooting and analysis using PL/SQL for operational issues on MTN data products and troubleshooted different HSDP Capabilities/APIs using SOAP-UI for VAS integration with solution providers.
- Managed service configuration, testing, and troubleshooting for various delivered projects and VAS products.

Huawei Technologies | Contracted to QualiServe Technologies Limited | **Jul 2017 – Aug 2017**
Front-Office Surveillance Engineer
- Monitored the 2G & 3G Airtel Network incidences/outages and power alarms for two (2) regions in Nigeria.
- Booked and closed 99% of network incident tickets on outages that occurred on the network.
- Escalated minor, major and critical network incidences to the expected line of matrix.

AEP Ticketing Solutions Nigeria Ltd | Feb 2017 – Jun 2017

Junior Systems Administrator

- Operated and Managed the electronic ticketing devices such as CBD4-plus, F3A, Drivers Console and TIC machine.
- Administered Agent and User privileges on the ET-CSC (Electronic Ticketing - Control and Surveillance Centre).
- Kept track of operational expenses, raised budgets, clerked meetings and attended to official assignments.

University of Ibadan, Nigeria | Feb 2016 – Oct 2016

Computer Science Tutor

- Lecturing: Delivered Introduction to Computer Science course to 1st and 2nd year undergraduate students.
- Improved student's examination success rate from 60% to 75%.

LM Ericsson Nigeria Limited, Nigeria – Internship | **July 2014 – Sept 2014**

- Provided the required support 2G and 3G network at the transmission department for Airtel Managed Services.
- Conducted routine back-up tasks for Airtel's network transmission data record.

Airtel Networks Limited, Nigeria – Internship | **Feb 2014 – Jun 2014**

- Conducted IT projects and managed an Applet based project – Dynamic SIM Allocation
- Developed corporate screensavers with provided images and information for the headquarter office.

EDUCATION

MSc. Data Analytics (1:1 – 75.5%) | National College of Ireland | Jan 2020 – Jan 2021

Key Modules: Business Intelligence/Business Analytics, Data Mining & Machine Learning, Database & Analytics Programming, Statistics for Data Analytics, Domain Application for Predictive Analysis, Research in Computing, Data Governance & Ethics and Modelling, Simulation & Optimization.

Thesis: A Deep Learning Framework to Encourage the Recycling of waste.

Academic Projects

- **Business Intelligence Suite Integration for Hexagon-3D Company:** Integrated a business intelligence suite using Microsoft Dynamics 365, developed visualizations and dashboards using Microsoft Power BI, created a high-level implementation report and specification report for the 3D company.
- **Predictive Analysis of Retail Sales: Furniture and Home Furnishings:** Provided valuable data insights for strategic planning by carrying out exploratory data analysis using Excel and PowerBI. Finally provided predictive analysis using Holt-Winters model with R programming language in well documented reports.
- **Simulation & Optimization of HS2 Train Line:** Carried out a modelling and simulation of HS2 train line from London to Birmingham using python and optimized the model using Greedy Search and Monte-Carlo algorithms
- **Evaluation of Machine Learning Algorithms for Regression and Classification Problems**: Evaluated five different machine learning models using R programming language on housing price, bank loan and crimes data.
- **Knowledge-Based Classification of Fruits, Vegetables and Flowers Using Deep Learning**: Developed a mobile app (*GreenFinder*), trained, and evaluated two deep learning image classification models for the use-case.
- **Application of Database Systems and Analytics to COVID-19 Disease:** Used python for web-scrapping data off websites, extracted XML data, stored these data into mongoDB, cleaned and saved the processed data into PostgreSQL and created data visualizations showing the global impact of COVID-19.

BSc. Computer Science with Electronics (1:1 – 4.79/5.0) | Lead City University, Nigeria | Oct 2011 – Jul 2015

Key Modules: Human Computer Interaction, Computer Graphics, Information & Communication Technology, Introduction to Artificial Intelligence, Data Structure & Algorithm, Computer Architecture & Organization, Optical Electronics and Engineering Analysis and Poise/Customer Service & Communication Skills.

Academic Awards

Overall Best Graduating Student (Class of 2015) and seven other distinctive awards of excellence from 2012 to 2015.

Personal Project: RecycliQ | Part–Time | **Mar 2019 - Present**

- Currently developing mobile digital solution for recycling using Flutter, Adobe XD, TensorFlow and Deep Learning.
- Designed and developed a business website to drive recyclable product concepts using Wix.
- Developed innovative recycled products and business model to drive the product innovation in recycling.