ABDUL-BAAQI JEMPEJI *M.Sc., B.Sc., ACA, AAT*

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WORK EXPERIENCE

Junior Machine Learning Engineer – **Omdena**   Oct 2021- Present

- Leveraged computer vision to estimate biomass of fish for sustainable food in line with SDG 14 thus decoupling the production of animal protein from fishing and traditional agriculture and releasing the pressure on oceans and other ecosystems that are already strained.
- Used computer vision to improve water sustainability which enables the government and non-governmental organisations to identify areas lacking clean water supply, provide easy access to water supply services and to detect non-functional water supply services in Nigeria.
- Designed an automatic number plate detection system which is deployed by users namely schools, estate, government agencies and companies to track, match and identify vehicles, hence promoting security of lives and properties.
- Developed a technological system using satellite imaging and Artificial Intelligence to provide paths to safety following a natural disaster which is used by families to develop a disaster response plan.
- Built an AI technology that detects and filters harmful situations in online video contents thus protecting children.

Management Trainee – **Wilmar International**   Nov 2020 - Present

- Extracted data from internal and external databases; analysed exploratory data; cleaned, transformed, and aggregated datasets which eliminated errors, provided high quality information and improved productivity.
- Prepared data analysis and visualisation using excel dashboard, tableau and Power-BI to prepare company's data on fertilisers, finance, human resources among others which enabled better understanding of data and aided decision making.
- Built tools to automate data collection which reduced errors, saved time, eased work process, enhanced productivity and improved business efficiency.
- Developed, maintained, and improved holistic datasets, reports and dashboards which help monitor and improve the company's performance.
- Engaged in cross-divisional collaboration to analyse data and present results which were used to improve financial performance.

Research Assistant – **Centre for Econometrics and Applied Research (CEAR)**   Jan 2019 - May 2019

- Conducted an extensive research on how to assess the inflation hedging of gold and palladium in OECD countries which increased my knowledge and research skills in this field.
- Supported my supervisor in preparing detailed research on the topic "The inflation hedging properties of gold, stocks and real estate: A comparative analysis".
- Prepared a research work on new evidence for the inflation hedging potential of US stock returns which improved my commercial awareness and enabled me to develop a global mindset.

Audit Assistant – **Tajudeen Badejo & Co. Chartered Accountant**   Nov 2017 - Jan 2019

- Prepared financial reports which ensured compliance with tax regulations; monitored the accuracy of accounting systems and procedures and ensured compliance of the firm with laws and international best practices.
- Reviewed, assessed and made valuable recommendations which ensured changes were constantly made to business units accounting system and control.
- Prepared and maintained audit budgets, planned and coordinated the company's financial audits which promoted financial transparency.
- Collaborated with other members of audit and accounting teams in performing their daily tasks all geared towards clients' satisfaction and increasing profitability of the firm.

EDUCATION

International Centre for Education in Islamic Finance (INCEIF), Kuala Lumpur, Malaysia
M.Sc., Islamic Finance   2019 - 2021
University of Ibadan, Ibadan, Nigeria
M.Sc., Economics   2017 - 2019
Fountain University, Osogbo, Nigeria
B.Sc., Economics   2012 - 2016

LEADERSHIP EXPERIENCE

International Centre for Education in Islamic Finance (INCEIF), Kuala Lumpur, Malaysia
Graduate Students Representative   2019 - 2021
University of Ibadan Postgraduate Muslim Students Forum
Public Relations Officer   2018 - 2019
Vanguards Academy Old Students Association
Financial Secretary   2017

TECHNICAL AND SOFT SKILLS

- Python
- Pandas
- Open CV
- SQL

- Git
- Postgre SQL
- Scikitlearn
- Streamlit

- Keras
- Power Bi
- Tableau
- Anaconda

- Tensor Flow
- Problem solving
- Business Communication
- Analytical Reasoning

PROFESSIONAL MEMBERSHIP, TRAINING AND CERTIFICATIONS

- **Data Analyst Fellow,** *Quantum Analytics*   2021
- **Data Analyst Nanodegree,** *Udacity*   2021
- **Artificial Intelligence Programming with Python Nanodegree**, *Udacity*   2021
- **Data Scientist Nanodegree**, *Udacity*   2021
- **SQL for Data Analysis**, *Udacity*   2021
- **Machine Learning Bootcamp**, *Higher School of Economics University*   2021
- **Artificial Intelligence for Absolute Beginners**, *Data Science Nigeria (DSN)*   2021
- **Learn HTML - For Beginners**, *Udemy*   2020
- **Associate Chartered Accountant (ACA),** *Institute of Chartered Accountants of Nigeria (ICAN)*   2019
- **Young Fellow,** *World Islamic Economic Forum (WIEF)*   2019
- **Associate Accounting Technician West Africa,** *Institute of Chartered Accountants of Nigeria (ICAN)*   2013

ACHIEVEMENTS AND AWARDS

- **1st Place,** *Data Science Nigeria Patient Treatment Hackathon*   2021
- **2nd Runner Up,** *I4G-HackFest-Hackathon*   2021
- **Google Africa Development Scholar,** *Google*   2021
- **AAL Scholar,** *African App Launchpad*   2021
- **Maybank Scholar,** *Maybank Islamic Berhad*   2020
- **INCEIF Scholar,** *International Centre for Education in Islamic Finance*   2019
- **ICAN Scholar,** *Institute of Chartered Accountants of Nigeria*   2017
- **Vanguards Ambassador,** *Vanguards Academy Old Student Association*   2017
- **Fountain Scholar,** *Fountain University, Osogbo*   2015
- **Fountain Scholar,** *Fountain University, Osogbo*   2014
- **Most Outstanding Student,** *Nigeria Economics Student Association*   2014
- **Fountain Scholar,** *Fountain University, Osogbo*   2013
- **Most Outstanding Student,** *Nigeria Economics Student Association*   2013

OTHER INFORMATION

Core Competencies - Emotional Intelligence, Task Prioritisation, Process Improvement, Business Acumen
Languages - English (Fluent), Yoruba (Native Speaker), Arabic (Intermediate), Hausa (Basic)
Interests - Artificial Intelligence, Machine Learning, Commercial Awareness, Sustainability, Data

REFEREES

Available on request