



# AMODU SHEDRACK BALA

## TECHNICAL SPECIALIST

### CONTACT

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Leisure Palace, Kubwa, FCT,  
Abuja

### EDUCATION

2015 - 2021

ABUBAKAR TAFAWA BALEWA  
UNIVERSITY, BAUCHI

- Bachelor of Engineering (B.Eng.) in  
Mechatronics Engineering

2007 - 2013

BAPTIST MODEL SCHOOLS

- Senior Secondary Certificate  
(SSCE)

### SKILLS

- Project Management
- Data Science and AI
- Software Development
- Programming
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

### LANGUAGES

- English (Fluent)
- Hausa (Fluent)
- Igala (Basics)

### PROFILE

A highly motivated Technical Specialist with a strong background in Mechatronics and Systems Engineering, Data Science, and Software Engineering. Proficient in Python programming, data analysis, and machine learning, with specialized experience in developing tools for the energy sector. Skilled in delivering tech training and managing end-to-end project lifecycles. Committed to leveraging technology to drive innovation and efficiency in geoscience and engineering domains.

### WORK EXPERIENCE

#### Technical Specialist

MAY 2025 - PRESENT

Nordatech Energy Ltd

- Training interns in Machine Learning and Data Analysis techniques applied to well log data and reservoir engineering.
- Currently architecting and developing a no-code platform to empower geoscientists and geoengineers to perform advanced data analysis and visualization.

#### Technical Supervisor

January 2023 - April 2025

Intelbox Solutions, Abuja, FCT

- Managed end-to-end data analysis projects, including data cleaning, exploratory analysis, and predictive modeling.
- Provided Data Science and Machine Learning training for the Nigerian Custom's staff.
- Provided Tech essentials training for Central Bank of Nigeria staff.
- Developed a chatbot using OpenAI API and Python Django framework to enhance customer support efficiency.
- Created and implemented a sentiment analysis model to improve service quality based on customer feedback.
- Designed drone propellers using Fusion360 and supervised the Robowars project.
- Led the development of a computer vision project for facial and license plate recognition.
- Collaborated with software development teams to integrate machine learning models into production systems.
- Functioned as an electronic team member for UAV and UGV projects.
- Conducted Python and website design training for children aged 9-15.



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## TECHNICAL SPECIALIST

### Interests

Learning,  
Travelling,  
Computing/Technology,  
Teaching,  
Sports

### Projects

- **No-Code Geoscience Platform (In Progress):** Building a platform to enable geoscientists and geoengineers to perform all kinds of analysis without writing code.
- **Online Store Website:** Developed a full-featured e-commerce site with product catalog, search, shopping cart, and secure checkout.
- **Healthcare Management System:** Built a Django-based system for managing doctors, patients, and appointments.
- **Weather Analysis Application:** Created an interactive tool for visualizing and analyzing weather data.
- **News Sentiment Analysis:** Built a web scraping script to extract news from TechCrunch and perform sentiment analysis.

### • Data Science & Machine Learning

- IBM Data Science Professional Certificate (Coursera)
- Python for Data Science, AI & Development (Dec 2023)
- Data Science Methodology (Apr 2024)
- Databases and SQL for Data Science with Python (May 2024)
- Data Analysis with Python (Mar 2024)
- Data Visualization with Python (Mar 2024)
- Machine Learning with Python (Apr 2024)
- Python Project for Data Science (May 2024)
- Applied Data Science Capstone (May 2024)

### • Python Programming

- Python with Data Science – EarlyCode (2022)

### • Artificial Intelligence Tools

- OpenAI ChatGPT Predictions: Integrations, Competitors, and Impacts – Great Learning Academy (Jan 2024)

### • Productivity Software

- Microsoft 365 Fundamentals Specialization – Microsoft (Coursera, Jun 2023)