

# Abdussalam Shehu Abdussalam

Kano State – Nigeria

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Portfolio

## Profile Summary

- Proven ability in designing and deploying AI/ML solutions, with hands-on expertise in Natural Language Processing, Computer Vision, and Time Series Forecasting.
- Proficient in building and optimizing deep learning models using PyTorch and TensorFlow, delivering measurable improvements in accuracy and efficiency.
- Strong command of Python, SQL, and data engineering workflows, enabling efficient preprocessing, feature engineering, and pipeline automation.
- Skilled in developing interactive dashboards and deploying AI applications on cloud platforms (Azure, AWS), bridging research and production use cases.

## Relevant Coursework

Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Time Series Forecasting, Generative AI, Data Engineering, Cloud Computing, Optimization Algorithms, Statistical Modeling

## Experience

### Dabolinux Technology

Data Science Intern

Kano, Nigeria

Jun 2021 – Aug 2024

- Developed sentiment analysis model (90% accuracy) for Azure Cognitive Services.
- Optimized NLP pipeline, reducing latency by 30%.
- Built automated testing framework for ML models.
- Tech: Python, AWS, BERT, PyTorch, Docker.

## Projects

**Computer Vision for Autonomous Vehicles** — Python, YOLO, AWS, PyTorch, CUDA, ROS | Live Dashboard 2025

- Designed real-time object detection system achieving 93% accuracy for autonomous driving tasks.
- Integrated with ROS for smooth camera feed ingestion and CUDA acceleration for real-time inference.
- Deployed live prototype demonstrating lane detection and obstacle avoidance.

**Financial Forecasting Dashboard** — Python, LSTM, AWS, React | Live Dashboard

2025

- Built LSTM-based forecasting engine for predicting stock prices and financial time series.
- Developed interactive React dashboard with real-time data ingestion and visualization.
- Implemented uncertainty intervals and performance metrics for decision-making.

**Chatbot with Natural Language Understanding (In Progress)** — Python, Transformers, Rasa |

2025

- Building intelligent chatbot leveraging transformer-based NLU with contextual intent recognition.
- Targeting 89%+ resolution rate for FAQ and customer support queries.
- Designing modular architecture for seamless integration with enterprise systems.

## Technical Skills

**Languages:** Python, SQL

**Libraries:** PyTorch, TensorFlow, Transformers, Pandas, NumPy

**Tools:** Azure, Power BI, Excel, Tableau, GitHub, Docker, ROS

**Focus:** NLP, Computer Vision, Time Series Forecasting, Generative AI

## Education

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**Bayero University Kano**

*B.Sc. Electronics*

CGPA Scale: 3.64/5.0

2015 – 2019

## Certifications

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Applied Data Science Lab — WorldQuant University    *View Credentials*

Applied AI Lab: Deep Learning for Computer Vision — WorldQuant University    *View Credentials*

Introduction to Generative AI — Google    *View Credentials*

Introduction to Large Language Models — Google    *View Credentials*