

Fakorede Akinwande Alexander

Nationality: Nigerian | **Date of Birth:** May 7, 1995

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GitHub: [github.com/AkinwandeSlim](#) | **LinkedIn:** [www.linkedin.com/in/akinwandealex](#)

Personal Profile

A highly skilled Computer Science graduate with expertise in data science, backend, and fullstack development. Proficient in Python, Django, Flask, Machine Learning, Computer Vision, NLP, React, and Next.js, with a proven track record of delivering scalable, data-driven solutions. Passionate about leveraging technology to solve real-world challenges, with strong experience in research, mentorship, and innovative project implementation across tech and societal domains.

Education

Joseph Sarwuan Tarka University Makurdi (Former Federal University Of Agriculture Makurdi) Benue, Nigeria
Bachelor of Science in Computer Science September 2017 - December 2022
GPA: 4.22/5.0

Zoe Information Technology Benue, Nigeria
Diploma In Software Engineering, Web Development , February 2021 - AUGUST 2021
GRADE: EXCELLENCE

Ogotun Unity Secondary School, Ogotun-Ekiti Ekiti State, Nigeria
West African Senior School Certificate (WASSCE) , 2013 – 2015
WASSCE: Obtained

Christ's School Ado-Ekiti Ekiti State, Nigeria
West African Senior School Certificate (WASSCE) , 2006 – 2012
WASSCE: Obtained

Supreme International Nursery and Primary School, Ado-Ekiti Ekiti State, Nigeria
First School Leaving Certificate 2001 – 2006

Skills

- **Programming Languages:** Python, Java, PHP, JavaScript (ES6+), HTML5, CSS3
- **Frameworks & Libraries:** Django, Flask, Streamlit, React.js, Next.js, TensorFlow, PyTorch, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn, Plotly, NLTK, OpenCV
- **Specializations:** Machine Learning, Computer Vision, Natural Language Processing (NLP)
- **Databases:** MySQL, PostgreSQL, SQLite, Elasticsearch, Cassandra, DuckDB
- **Cloud & Big Data:** AWS, Azure, GCP, DigitalOcean, Kafka, Flink
- **Cybersecurity:** RSA, AES, 3DES, Intrusion Detection Systems
- **Tools:** Git, Docker, Jupyter Notebook, Jira, Bootstrap

- **Other:** API Development, Microservices, Data Visualization, Real-Time Systems

Experience

GRAZAC Academy, Ogun State , Nigeria

January 2024 - May 2024

DATA SCIENCE FACILITATOR

- Trained 20+ students in Python-based data analysis and modeling, utilizing Pandas, Scikit-Learn, and Matplotlib to deliver industry-relevant skills.
- Designed 4 hands-on projects, enabling students to build employable portfolios for data science roles.

720Degree Innovation Hub (NYSC), Ogun State, Nigeria

September 2023 - July 2024

BACKEND DEVELOPER

- Developed a Django-based inventory management system, reducing stock discrepancies by 15% and streamlining operations for 500+ users.
- Led backend development for 3 applications, integrating MySQL and REST APIs to ensure scalability and security.
- Mentored 6 junior developers in Flask and Django, improving team delivery timelines by 25%.

Universiti Sains Malaysia (USM), Malaysia

December 2022–October 2024

DATA SCIENCE PROJECT ASSISTANT (RESEARCH & IMPLEMENTATION)

- Developed machine learning models for a dust particle control system, achieving 99.7% accuracy in real-time PM 2.5 prediction for Malaysian mining sites.
- Led deployment of a Streamlit-based application using Apache Flink, Kafka, and Elasticsearch, processing 150,000+ data points.

Projects

Teaching Practice Management System

March 2025- May 2025

Tech Stack: Python, Flask, MySQL, React, TypeScript,,Next.js

- Developed a fullstack web-based system for a Nigerian university, streamlining scheduling and evaluation for 200+ students in teaching practice programs.

Dust Particle Control Management System

February 2024 – October 2024

Tech Stack: Python, NumPy, Pandas, Scikit-Learn,Matplotlib, Seaborn, Plotly, Streamlit

- Developed a machine learning model to analyze PM 2.5 dust particles, achieving 99.7% prediction accuracy and reducing dust levels by 18% at Malaysian mining sites.

Lecturer Performance Evaluation System Using Sentiment Analysis

June 2023 – August 2023

Tech Stack: Python, NumPy, Pandas, Scikit-Learn, SQLite, Matplotlib, Seaborn, Plotly, TextBlob

- Created a sentiment analysis model to evaluate lecturer performance, analyzing 10,000+ student feedback entries to predict academic trends with 85% accuracy.

Concept Drift Detection in Real-Time Machine Learning Models (Malaysia)

December 2022 - April 2023

Tech Stack: Python, Numpy, Pandas, Scikit-Learn, Streamlit, Pyflink, Kafka, ElasticsearchDB, Docker, Azure VM

- Assisted in the research and implementation of an improved concept drift detection Algorithm (SABBDM)
- Apply the researched drift detection model to a real-time data environment

MANET Intrusion Detection & Secure Alert System

June 2023 - August 2023

Tech Stack: Python, Cryptography, RSA, 3DES, Watchdog, Socket, Colorama

- Developed a Network Intrusion Detection System (NIDS) for Mobile Ad-Hoc Networks (MANET), simulating real-time file event monitoring and routing encrypted alerts to an admin node for volatile environments like military operations and IoT systems.

Achievements

- Ranked 10th nationwide in the 2020/2021 Africa Collegiate Programming Contest (Nigeria CPC).
- Developed an open-source Teaching Practice Management System, adopted by a Nigerian university for 200+ users.

Certifications

- **Diploma in Software Engineering**, Zoe Information Technology Ltd, Benue, Nigeria, August 2021
- [Python Programming Certificate](#), SoloLearn, October, 2020
- [Python for Data science](#), SoloLearn, January, 2021

Extracurricular Activities

Graphics Design & Photography Volunteer, Local Church, Benue, Nigeria

- Designed promotional materials and captured events, enhancing community engagement for 100+ members.

Chess Enthusiast

- Actively participate in local chess tournaments, developing strategic thinking and problem-solving skills.