



MICHAEL-DAVID OSUJI

17 Saheed Sanni Street, Harmony Estate, Langbasa, Ajah, Lagos, Nigeria.

emdi.osuji@gmail.com

+2347050584442

<https://github.com/Emdysuji>

in <https://www.linkedin.com/in/osuji-michael-david-b1811a208>

OBJECTIVE

Motivated and skilled individual with a strong foundation in machine learning and artificial intelligence. Eager to apply my knowledge and contribute to impactful projects while gaining hands-on experience in a dynamic, collaborative environment. Committed to delivering practical solutions and advancing cutting-edge technologies through continuous learning and innovation.

EXPERIENCE

Fiverr ---- Remote

Oct 2024 till date

Freelance Machine Learning and Python Engineer

- Automated data scraping and cleaning pipelines with Excel integration and scheduling, improving client workflow efficiency.
- Optimized and refactored Python scripts for large-scale data validation and error handling.
- Built a custom geospatial visualization tool (Folium/GeoPandas) with labeled zones and exportable PDF maps.
- Supported clients with ML preprocessing, evaluation, and cloud deployment on AWS & GCP.

Netportal Diko Engineering Services ---- Port Harcourt, Nigeria

Nov 2024 till date

Welder/Project Assistant

- Tack welded components and performed full welding tasks on mooring buoys and anchors.
- Collaborated with fitters and foreman to adapt designs using 40mm plate materials.
- Reviewed and modified technical drawings to ensure feasibility.

Ginuo Global Services ---- Lagos, Nigeria

Oct 2018 - Dec 2019

IT Support Technician/Intern

- Provided technical support during internship, progressing from basic assistance to advanced tasks such as hardware
- Troubleshooting, network setup, and software deployments.
- Diagnosed and repaired issues with desktops, printers, routers, and other peripherals to minimize downtime and support business continuity.
- Installed, configured, and upgraded hardware to improve system performance, while maintaining detailed service records and recommending preventive measures

EDUCATION

University Of The People

2025

Bachelor of Science in Computer Science (CGPA: 3.16/4.0)

FreeCodeCamp	2024
Machine Learning (Freecodecamp certificate)	
FreeCodeCamp	2021
Python, SQL (Freecodecamp certificate)	
Joint Professionals Training and Support (JPTS)	2021
Welding Technology & Management (American Welding Society Certificate)	
God's Banner Secondary School, Lagos	2018
SSCE	

SKILLS

- Programming Languages: Python, Java, and Dart (Flutter), MySQL, R
- Machine Learning and AI: TensorFlow, Scikit-learn, PyTorch, NLP, Reinforcement Learning, Deep Learning.
- Cloud Computing: AWS, EC2 Instances, GCP.
- Software Engineering Principle: OOP, Design Pattern, Testing.
- Engineering & Welding: SMAW, QA Inspection, Technical Drawing Interpretation
- Tools: Flask, OpenCV, Git, KNN

PROJECTS

Automated Procurement Data Scraper – PartsBase & DIBBS	Aug 2025
• Built a Python automation script to scrape, clean, and organize U.S. government procurement data (PartsBase API & DIBBS). • Implemented API integrations, data filtering, and Excel automation to deliver supplier contact info and solicitation details. • Deployed and tested code on a client's remote workstation via AnyDesk; configured Windows Task Scheduler to run scripts daily at 1AM EST. • Debugged complex edge cases (e.g., RFQ entries with missing values, NSN formatting, and supplier contact field mapping). • Optimized pipeline for scalability, reducing manual checks by client's team.	
Automated Cryptocurrency Trading Bot	Mar 2025
• Developed an automated trading bot using Python and Binance API for futures trading, deployed on Amazon EC2 for continuous operation. • Implemented advanced trading strategies including leverage-based positions and stop-loss/take-profit mechanisms. • Designed real-time market data analysis pipelines to identify profitable trading pairs based on percentage price changes. • Integrated error handling, time zone synchronization, and dynamic margin adjustments to optimize performance. • Ensured robust scalability and reliability by leveraging AWS cloud infrastructure.	
Plant Disease Detection	Nov 2024
• Designed and implemented an ML pipeline for detecting diseases across 10 crops (Apple,	

- Banana, Beans, Cassava,
- Grape, Groundnut, Maize, Potato, Rice, and Tomatoes).
- Applied advanced data preprocessing techniques: oversampling, under sampling, and OpenCV for background removal in rice datasets to enhance model performance.
- Developed and trained convolutional neural networks (CNNs) using TensorFlow to achieve high classification accuracy.
- Built a Flask-based API to serve models for real-time crop disease detection and integration into external applications.

Book Recommendation Engine using KNN: FreeCodeCamp ML Project

Feb 2024

- Created a book recommendation algorithm using K-Nearest Neighbors (KNN) to suggest similar books based on a given book title.
- Utilized the Book-Crossings dataset and Nearest-Neighbors from scikit-learn to measure the distance between instances and generate recommendations.

REFERENCES

To be provided on request