EMMANUEL ANI

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EDUCATION

Federal University of Technology Minna   **Nov 2018 – Feb 2025**
Bachelor of Engineering in Mechatronics Engineering, GPA 4.68/5.0   *Minna, Nigeria*

Thesis: Development of an Artificial Intelligence-Based Infant's Emotion Recognition System for a Caregiving Robot

Coursework: Robotics, Mechatronics System Design, Intelligent Control, Artificial Intelligence, Embedded Systems

SKILLS

Machine Learning & Operations: Scikit-Learn, Keras, Flask, FastAPI, Docker, Streamlit

Programming Languages: Python, SQL

Cloud Services: Azure

Database Management: PostgreSQL

EXPERIENCE

MINTIN LTD   **May 2025 – Present**
Automation Engineer   *Lagos, Nigeria*

- Installed, configured, and troubleshot Dover fuelling solutions to automate stations with accurate dispensing and real-time sales monitoring.
- Supported field teams, reducing station downtime by 40% through proactive maintenance and quick issue resolution.
- Built Python scripts to clean and process tank calibration charts, improving data accuracy.
- Integrated SQL databases for efficient storage, retrieval, and reporting of calibration data.

Rikruta   **Nov 2024 – Present**
Machine Learning Engineer - Junior   *Nigeria*

- Developed a RESTful API with FastAPI to power a scalable job-matching system, enabling efficient candidate-job pairing
- Containerized the app using Docker, ensuring consistent performance and easy deployment across environments

Data Science Nigeria   **Feb 2024 – Jan 2025**
Community Manager   *Minna, Nigeria*

- Promoted the Data Science Nigeria community across campus through targeted engagement and awareness campaigns, increasing membership by 150%
- Improved social media engagement by 30% through content strategy
- Facilitated workshops on data science topics, boosting knowledge sharing within the community

AI4CE LTD   **Sep 2023 – Jan 2024**
Research Assistant   *Minna, Nigeria*

- Spearheaded the development of "Crony," an innovative health monitoring system tailored for the elderly
- Conducted research for the AI department, focusing on advancing AI applications and solutions
- Curated Machine Learning tutorials for interns, enhancing their skills and knowledge in AI concepts

PROJECTS

AI-Powered Police Assistant for Emergency Reporting | *Python, SQL*

- Built an AI assistant for crime reporting using GPT-4 for intent detection, summarization, and follow-ups
- Developed a GIS backend and session-aware Streamlit frontend to enable police routing and faster response

Sentiment Analysis of Airline Customer Reviews | *Python, Data Scraping*

- Collected British Airways customer reviews through web scraping using BeautifulSoup
- Developed a sentiment analysis model using the VADER sentiment analyzer, and compared its performance with advanced models from the Transformers library

Server-Based Cryptojacking Detection Using XGBoost | *Python*

- Conducted statistical feature assessment and evaluated feature importance using Random Forest and RFECV
- Developed a detection model using the XGBoost algorithm, achieving an accuracy of 98%

LEADERSHIP & AWARD

- Awarded Best Graduating Student, Department of Mechatronics Engineering
- Earned Microsoft Certified: Azure Data Scientist Associate
- President, National Association of Mechatronics Engineering Students (NAMTES), Federal University of Technology, Minna — Dec 2023 to Sep 2024
- Ranked in the top 1% in Data Science Nigeria Hackathon focused on Bank Subscription Campaign