

OFFIONG BASSEY EDET

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EXPERIENCE

Data Science Nigeria

AI and Machine Learning Member

- Lagos, Remote

June 2025 till date

- Selected as a member of DSN's AI+ community to explore advanced learning in AI and Data Science.
- Participating in AI challenges, bootcamps, and nationwide skill-building programs.
- Contributing to DSN's vision of building 1 million AI talents in Africa

Klas

Full Stack Engineer

- Toronto, Remote

May 2024 – Jan 2025

- Collaborated closely with the product team to architect and implement the organization's V4, resulting in a significant increase in user performance and overall user satisfaction.
- Developed and optimized frontend components, utilizing Nextjs with Typescript for enhanced type checking and code reliability. Managed state effectively with tools like Redux toolkit and Zustand, ensuring smooth performance as the application scaled in complexity and traffic.
- Leveraged AWS Services, including, EC2 Instances, Lambda functions, Dynamo DB, and S3, to optimize image processing, file uploads, and other cloud-based functionalities, contributing to a more efficient and scalable infrastructure.

Wish To Wear

Backend Developer

- Istanbul, Remote

Feb 2024 – July 2024

- Refactored the entire codebase, wrote helper functions and an error handler with Nodejs, which increased the application's performance and maintainability.
- Redesigned the system's Entity Relationship (ER) Diagram to optimize database structure and improve data integrity.

Sycamore NG - Financial Services Company

Backend Developer

2023

- Lagos, GRA, Hybrid

- June 2023 – October

- Utilized backend engineering expertise to write efficient Nodejs REST APIs and conducted thorough testing to ensure the application met requirements and was free from bugs.
- Conducted rigorous research and provided extensive reports on products.
- Normalized the database to reduce latency and redundancy, and to increase performance.

- Utilized Redis as a caching mechanism to store and retrieve frequently accessed data.
- Gracefully handled errors using try-catch blocks and other pivotal mechanisms and middleware.
- Achieved strong security in the application by implementing standard authentication and authorization using JWT, Crypto, hashing (for passwords), and encrypting sensitive data such as tokens.

PERSONAL/VOLUNTARY PROJECTS:

- **RapidMind AI – (NLP)** – An intelligent Support Agent for resolving failed transactions and customer complaints in fintech and beyond.
Tools: Rasa NLU, Hugging Face Zero-Shot, Python, Nextjs, Expressjs, Socketio, PostgreSQL.
Link: https://www.linkedin.com/posts/offiong-bassey-dev_ai-machinelearning-nlp-activity-7353373211666825217-K5FB?utm_source=share&utm_medium=member_desktop&rcm=ACoAAEQ9o4wB5Y6sXD-HlryUyitmQF3I517CQF4
- **Life Jacket Detection – Computer Vision –**
A machine learning-powered system that detects whether individuals are wearing life jackets in real-time.
Tools: OpenCV, TensorFlow, Roboflow, CVAT, Yolo, Google Colab, Python
Link: https://www.linkedin.com/posts/offiong-bassey-dev_aiforgood-ai-datascience-activity-7336672040629800960-PKOp?utm_source=share&utm_medium=member_desktop&rcm=ACoAAEQ9o4wB5Y6sXD-HlryUyitmQF3I517CQF4
- **Covid Classification System:**
A binary Classification system that predicts if a patient has Covid or not.
Tools & Techniques: Tensorflow, Convolution Neural Network, Google Colab
- **Univr** - <https://www.unicrossvr.com.ng>
A virtual resource room I built to simplify learning processes and proffer easy accessibility to educational materials.
- **WhatsApp Web Clone:** - Preview
Video call, flexible chat (send, edit, delete & react to messages), create and manage groups using socket.io, simple-peer, react.js, node.js and MongoDB.

TECHNICAL SKILLS:

Languages: JavaScript, Typescript, Html, CSS, Python

Frameworks: React.js, Node.js, Express.js, Tensorflow, Opencv,

Scikit-Learn

Database: PostgreSQL, MongoDB, DynamoDB, MySQL, Redis

Technologies: Tailwind, Redux, Zustand, Git/GitHub, WebSocket, Postman,

Cloud: AWS, Microsoft Azure

EDUCATION:

University of Cross River State - 2019 - 2023
Bachelor of Science in Computer Science

CERTIFICATIONS:

DeepLearning.AI - 2025
Deep Learning Specialization by Andrew Ng

IBM - 2023
Introduction to Software Engineering

Microsoft
Introduction to Microsoft Azure Cloud Services - 2023

University of Michigan - 2023
Python Programming