

JOSHUA CHUKWURAH

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EDUCATION

Lagos State University

Lagos, Nigeria

Bachelor of Science, Computer Science (In Progress)

Oct 2024 - Expected July 2028

- CGPA: 4.66/5.0 | Academic Standing: First Class | Faculty of Science, Department of Computer Science
- Relevant Courses: Data Structures, Algorithm Development, Database Management Systems, Operating Systems, OOP (C++)

WORK EXPERIENCE

SEO Africa Corporate Immersion Programme - Technology Stream

Jun 2026 - Present

- Ranked 6th of 128 candidates (top 5%) on the Quiz 4 proctored technical assessment, scoring 238/240.

Privacure

Lagos, Nigeria

Artificial Intelligence Engineer

Oct 2025 - Present

- Designed and built an EHR anomaly detection system from the ground up using 4 PyTorch autoencoders (90-99% accuracy) monitoring login, network, admin, and patient-data-access events via a real-time FastAPI service.
- Designed and built an AI microservice from scratch integrating 3 LLM providers (Gemini, Mistral, DeepSeek) with automatic failover, HIPAA/GDPR/NDPA/NDPC-compliant filtering, and token budgeting.
- Deployed both services on AWS EC2 instances using Docker, Nginx (reverse proxy with Let's Encrypt SSL/TLS and auto-renewal), and a self-hosted PostgreSQL database
- Built a 6-stage clinical document ETL pipeline (OCR to LLM extraction to validation to formatting) converting scanned records into structured, EHR-ready FHIR/HL7/JSON output.

SianLabs

Lagos, Nigeria

Machine Learning Engineer

Aug 2025 - Present

- Integrate open-source and frontier AI models into business applications, evaluating and selecting models for production use to drive automation, CRM, and customer service management for clients.

Bincom Dev Center

Lagos, Nigeria

Python Developer, AI & ML

Sep 2024 - Feb 2025

- Performed data manipulation, cleaning, and missing-value handling using Python, Pandas, NumPy, and Matplotlib for analysis and modeling.
- Implemented classification (Logistic Regression, K-NN), clustering (K-Means), and reinforcement learning (Q-Learning, MDPs) algorithms; built deep learning models with Keras and TensorFlow.
- Built a polling unit results platform (PHP/MySQL) to organize and aggregate voter results across LGAs in Delta State.

Titacom Technology Limited

Lagos, Nigeria

Full-Stack Developer

Jan 2024 - Sep 2024

- Built TitaHouse, a property listing platform connecting agents and landlords with renters or buyers, cutting time and resources to secure properties and driving a 64% revenue increase for Titacom.
- Built and deployed an LMS for Titacom Academy hosting 50+ students across 15+ courses, with admin and student dashboards for course access, submissions, and progress tracking (PHP/MySQL).
- Developed desktop apps in Python and wxPython for student attendance tracking and career guidance.

LEADERSHIP EXPERIENCE

Cowrywise

Lagos, Nigeria

Brand Ambassador

Dec 2025 - Present

- Represent and promote Cowrywise's financial products to student communities.

Titacom Technology Limited

Lagos, Nigeria

Intern Mentor

Jan 2024 - Sep 2024

- Mentored new students on assignments and technical concepts, including leading debugging sessions to resolve PHP/MySQL backend connectivity issues under pressure.

VOLUNTEER ACTIVITIES

- Website Developer, MFM Olowora Teenage Church (MFMOTC) - Built a responsive website providing spiritual teachings, events, and resources for teenagers | Oct 2024 - Jan 2025

PROJECTS / ACHIEVEMENTS / AWARDS

- BibleLLM - Built a PyTorch-based character-level Transformer Language Model from scratch for Biblical-style text generation with hybrid search capabilities, optimized for CPU training | github.com/chukjosh/BibleLLM
- Code4Justice Hackathon (Tech Law Club, LASU) - Full-Stack Developer; extended a prototype into a fully deployed gamified legal literacy platform, architecting and integrating the database within the hackathon timeline.
- Built 20+ personal and collaborative projects spanning AI/ML, full-stack web, mobile, and desktop development | github.com/chukjosh
- Certifications: Certified Nomba Developer (Nomba x DevCareer 2026); Certified Associate & Entry Python Programmer, Advanced Web Developer Associate (Titacom); Python, PHP & Mobile App Developer (Bincom).

SKILLS AND INTERESTS

Technical: Python, Java, C/C++, PHP, JavaScript, HTML/CSS, TensorFlow, Keras, NumPy, Pandas, FastAPI, React Native, Flutter, MySQL, PostgreSQL, Firebase, Docker, AWS, Google Cloud.

Areas: Software Engineering, Full-Stack Development, API Development, Mobile Development, Data Science, Machine Learning, Deep Learning, AI Engineering.