

ADEKUNLE ABDULMUHEEZ

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PROFESSIONAL SUMMARY

Ambitious and highly technical Computer Science student and AI Engineer specializing in full-stack development, Retrieval-Augmented Generation (RAG), and intelligent multi-agent systems. Proven track record of architecting scalable enterprise platforms, including AI-driven business analytics software and augmented healthcare management systems. Dedicated to driving tech education across Africa through localized, AI-powered EdTech frameworks.

TECHNICAL SKILLS

Languages:	Python, JavaScript, TypeScript
AI & Machine Learning:	LangChain, LlamaIndex, LangGraph, PyTorch, TensorFlow, Ollama, Hugging Face, OpenAI API, OpenRouter
Databases & Vector Search:	ChromaDB, FAISS, PostgreSQL (Supabase), Firebase
Web & Mobile Frameworks:	FastAPI, Next.js, React Native, Streamlit, Svelte, Matplotlib, Cartopy
Developer Tools & DevOps:	Git, GitHub, Windows Command Line, Batch Scripting, Clerk Authentication

PROJECTS & EXPERIENCE

Founder & Chief Architect | **ADEX TECH HUB**

May 2026 – Present

- Spearheaded an open-access, multi-platform EdTech ecosystem (Web, Desktop, iOS, Android) patterned after Coursera and DeepLearning.AI, engineered specifically to upscale African youth in advanced technology.
- Architected a localized translation pipeline utilizing Large Language Models (LLMs) to dynamically explain complex technical concepts (e.g., the Document Object Model) in native Nigerian languages including Yoruba, Igbo, and Nupe, drastically lowering the barrier to entry for local student developers.
- Designed a cyclical, peer-to-peer mentorship blueprint where graduating cohorts train incoming students, establishing a scalable educational network.

Lead AI Engineer & Backend Developer | OgaMetrics AI

May 2026 – Present

- Engineered an end-to-end, AI-powered business analytics platform tailored to small-scale enterprises to synthesize complex market intelligence into actionable business strategies.
- Developed real-time predictive models using Python, OpenRouter, and machine learning libraries to generate automated growth blueprints, market flow trend analysis, and tailored business advisories.
- Modeled a high-performance database schema using PostgreSQL (Supabase) to handle live transactional data feeds and secure multi-tenant data access.

Full-Stack Developer | MedOS AI

May 2026 – Present

- Managed the architectural evolution and rebranding of an augmented hospital management system, successfully migrating the backend from a prototype Streamlit framework to a highly scalable production stack using FastAPI and PostgreSQL.
- Integrated Clerk for robust, role-based user authentication to protect sensitive electronic health records (EHR) while optimizing critical medical workflows and data accessibility.
- Cloned, audited, and configured repository environments on local machine setups for rapid, agile development iterations and system stability testing.

EDUCATION

Yaba College of Technology (YABATECH)

Expected Graduation: 2027

National Diploma (ND 1) in Computer Science

- Relevant Coursework: Algorithms, Structured Programming, Database Management Systems, System Automation.