Emmanuel Silas Kelechi

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🌐 **[Portfolio](#) | [Certification](#)**

Professional Summary

Undergraduate in **Mathematics Education** and **Generative AI Prototyper** with **2+ years teaching/tutoring experience**. Skilled in simplifying technical concepts for diverse learners. Delivered lessons in **Mathematics to varieties** and **Forex trading** to TENS OF students while also building **AI-powered educational tools** (math tutor bot, mental health chatbot, customer churn model). Strong foundation in **Python, data science, and instructional delivery**. Ready to teach, mentor, and support global learners in IT-focused programs.

Teaching Experience

Mathematics Tutor (Private) | *2022*

- Taught **SSCE and JAMB mathematics**, creating worked examples and exam-style quizzes.
- Designed lesson plans tailored to different learning levels; improved student mockup
- Delivered live classes with **interactive Q&A and feedback**.

Forex Instructor & Signal Provider *(***[LearnGround](#)** | [Signals](#)*) |* ***2023 – Present***

- Delivered structured **beginner-to-advanced Forex lessons** via live online sessions.
- Later built simplified course materials on **market structures, risk management, and technical analysis and kept them private on [YouTube](#)**
- Provided **live trading signals** and mentoring to **tens of learners** in another referred Telegram community.

Technical Projects

- **University Math Assistant Bot** — AI chatbot providing step-by-step math solutions for students *(Python, SymPy, Streamlit)*.
- **Mental Health Chatbot** — RAG-powered journaling/Q&A support tool *(OpenRouter API, FAISS)*.
- **Customer Churn Prediction Model** — ML pipeline for retention with **feature engineering** *(Pandas, scikit-learn)*.
- **Currently preparing a book on 'Building a mental health chatbot'.**

Core Skills

- Teaching & Curriculum Design
- Python (Pandas, scikit-learn, SymPy)

- Data Science Foundations
- Prompt Engineering & AI Chatbots
- Microsoft Office & Online Collaboration Tools
- Clear Communication & Mentorship

Education

B.Sc. Mathematics Education (in progress)
University of Lagos — *Expected Graduation: 2027*

Certifications

- Data Manipulation — DataCamp (Issued July 2025). **View Credential**
- *(Learnt other things from other companies like CISCO, edx e.t.c:)*

Why I'm a Strong Fit

- Proven **teaching track record**: 2+ years tutoring + Forex training to about 40 learners.
- Good **technical base** in Python, AI, and data projects — aligned with Data Science & Web Dev.
- Skilled at **explaining complex concepts simply**, online and offline.
- Portfolio of **working prototypes** demonstrates technical delivery + teaching creativity.