Emmanuel Silas Kelechi

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🌐 **Portfolio** | **Certification** | **Teaching Demo**

Professional Summary

Mathematics Educator and EdTech Innovator with 3+ years of tutoring experience across Grade 6–12, can teach GCSE, and A-Level curricula. Skilled at simplifying complex concepts, delivering exam-focused lessons, and engaging students with worked examples and interactive practice. Experienced in building AI-powered educational tools such as a Mathematics Assistant Bot and other prototypes that demonstrate strong technical skills in Python, data science, and prompt engineering.

Teaching Experience

Mathematics Tutor (Private) | 2022 – Present

- Taught SSCE and JAMB Mathematics; designed tailored lesson plans and exam-style quizzes.
- Improved student performance through step-by-step examples and scaffolded learning.

Curriculum Instructor — Applied Trading & Finance (LearnGround | Signals) | 2023 – Present

- Designed and delivered structured beginner-to-advanced lessons in applied trading concepts.
- Built simplified course materials on market structures, risk management, and technical analysis.
- Mentored ~40 learners via YouTube content and Telegram study communities.

EdTech & Technical Projects

- **University Math Assistant Bot** — AI chatbot providing step-by-step math solutions for learners (*Python, SymPy, Streamlit*).
- **Mental Health Chatbot** — Retrieval-augmented journaling and Q&A support tool (*OpenRouter API, FAISS*).
- **Customer Churn Prediction Model** — Predictive pipeline with feature engineering (*pandas, scikit-learn*).
- **Upcoming Book**: *Preparing Your Own Mathematics Bots* — Practical guide on AI and prompt engineering for education.

Core Skills

Teaching & Curriculum

- Lesson Design & Delivery
- Student Engagement & Mentorship
- Exam Preparation & Assessment

Technical & EdTech

- Python (pandas, scikit-learn, SymPy)
- Streamlit & LaTeX
- Data Science Foundations
- Prompt Engineering & AI Chatbots
- Microsoft Office & Online Collaboration

Education

B.Sc. Mathematics Education (In Progress)
University of Lagos — Expected Graduation: 2027

Certifications

- Data Manipulation — DataCamp (Issued July 2025) [View Credential](#)
- Additional Learning (Cisco, edX, others)

Why I'm a Strong Fit

- 3+ years of teaching and tutoring experience across Mathematics and applied learning.
- Strong foundation in Python and AI with working prototypes that blend **education** + **technology**.
- Skilled at simplifying complex concepts and boosting exam confidence for learners.