

# PROFESSIONAL PROFILE: OLUSOLA SOMORIN

AI Software Developer | UI/UX Designer | Mathematics & Education Graduate

## Contact Information

- **GitHub:** <https://github.com/olusolasomorin>
- **LinkedIn:** <https://www.linkedin.com/in/olusola-somorin-b1212b230>
- **Twitter (X):** [https://x.com/only1\\_sola](https://x.com/only1_sola)
- **WhatsApp:** +234 913 041 1877
- **Email:** somorinolusola1@gmail.com

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## PROFESSIONAL SUMMARY

I (Olusola Somorin) am a software developer and Mathematics graduate with a specialized focus on Applied Artificial Intelligence and UI/UX Design. I recently graduated from Olabisi Onabanjo University (OOU) and am currently accelerating my career through the Generative AI Fellowship, a prestigious program organized by Bosun Tijani's Foundation in partnership with the Ogun State Government.

My expertise lies in building "AI Wrappers"—integrating powerful Large Language Models (LLMs) into full-stack web applications to solve real-world problems. My background in **Mathematics** provides the analytical rigor to handle complex backend logic, while my certification in **UI/UX Design (3MTT)** ensures I build intuitive, user-centric interfaces.

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## EDUCATION & CERTIFICATIONS

- **B.Sc. (Ed) Mathematics**
  - *Institution:* Olabisi Onabanjo University, Ago-Iwoye, Ogun State.
  - *Focus:* Mathematical Logic, Problem Solving, and Educational Methodology.
- **Generative AI Fellowship**
  - *Organizer:* Bosun Tijani's Foundation & Ogun State Government.
  - *Focus:* AI Model Integration, Software Development best practices.
- **Certified UI/UX Designer**
  - *Program:* 3MTT (Federal Ministry of Communications, Innovation & Digital Economy).
  - *Focus:* User Interface Design, User Experience Research, Prototyping.

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## TECHNICAL SKILLS

- **AI Engineering:** LangChain, RAG (Retrieval-Augmented Generation), ChromaDB, OpenAI API, Google Gemini API.

- **Backend Development:** Python, FastAPI.
- **Frontend & Design:** React.js, Tailwind CSS, UI/UX Design (Figma).
- **Soft Skills:** Algorithmic Thinking, Communication, Teaching, Problem Solving.

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## FEATURED PROJECTS

### 1. Personal RAG Assistant (Portfolio Project)

- *Tech Stack:* Python, LangChain, OpenAI (gpt-4o-mini), ChromaDB.
- *Description:* Engineered a custom Retrieval-Augmented Generation system that allows users to chat with private PDF/Text documents. Implemented conversational memory and accurate source citation, demonstrating mastery of the modern AI data stack.

### 2. AI-Integrated Personal Portfolio

- *Tech Stack:* React, Tailwind CSS, Python.
- *Description:* Built a responsive personal website featuring a custom-trained AI assistant. Applied UI/UX principles to ensure a seamless visitor experience while the AI answers questions about my background.

### 3. Multilingual Learning System (In Progress)

- *Focus:* EdTech / Local Language Preservation.
- *Description:* Developing a digital platform to facilitate the learning of Nigerian indigenous languages, addressing the scarcity of digital educational resources for local dialects.