

ABOLORE SANNI

AI & Software Developer | ☎ +234 9038503017 | ✉ aboloresanni001@gmail.com

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Portfolio: <https://portfolio-eta-flax-91.vercel.app>

PROFESSIONAL SUMMARY

Innovative AI Developer with a specialized background in **Psychology**, focusing on the intersection of human behavior and Machine Learning. Transitioned from behavioral science to full-stack AI engineering, with a proven track record in building **multi-agent systems**, NLP-driven chatbots, and predictive wellness tools. Expert in the **FastAPI/React/Docker** ecosystem, dedicated to deploying scalable, intelligent applications that solve complex human-centric challenges.

CORE COMPETENCIES

- **AI & Machine Learning:** LLM Orchestration (LangChain/LangGraph), RAG Pipelines, Sentiment Analysis (DistilRoBERTa), Prompt Engineering.
 - **Full-Stack Development:** FastAPI, RESTful APIs, React.js, Tailwind CSS, JavaScript.
 - **Data & Infrastructure:** PostgreSQL, Supabase (RLS/Auth), **Docker & Docker Compose**, Git/GitHub.
 - **Behavioral Science:** Psychological Assessment Design, CBT Logic Mapping, Emotional Intelligence AI.
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PROFESSIONAL EXPERIENCE

AI Development Internship | Publica AI

Aug 2025 – Present

- **End-to-End System Design:** Architected full-stack AI applications, moving from psychological theory to technical implementation using **FastAPI, React, and Supabase**.
- **Hybrid AI Implementation:** Engineered emotional intelligence pipelines by integrating local Hugging Face models with global LLMs (Gemini/OpenAI) for nuanced sentiment detection.
- **Infrastructure & DevOps:** Containerized backend and frontend services using **Docker**, ensuring 100% environment consistency and streamlined deployment.
- **Agentic Frameworks:** Built autonomous, stateful multi-agent systems for complex document processing using **LangGraph**.

- Performed high-precision annotation of text, image, and audio datasets for large-scale ML training.
 - Ensured data integrity for Computer Vision projects, maintaining a **98% accuracy rate**.
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KEY PROJECTS

Multi-Agent PDF Summarizer & Research Assistant

- Engineered a multi-agent system using **LangGraph** to decompose, summarize, and fact-check dense research documents via an **Orchestrator-Worker pattern**.
- **Tech:** Python, LangGraph, OpenAI, PyPDF2, FastAPI.

SoulSync: Psychotherapy Wellness Chatbot

- Developed a "Hybrid AI" wellness agent combining local emotion detection with generative empathy and CBT-based intervention logic.
 - **Tech:** Python, PyTorch, Transformers, Supabase, React.
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EDUCATION

B.Sc. in Psychology - Lead City University, Ibadan, Nigeria / 2019 – 2023

CERTIFICATIONS & TECHNICAL QUALIFICATIONS

- **Machine Learning Specialization – DeepLearning.AI (Andrew Ng)**
 - Mastered supervised learning, neural networks, and decision trees.
 - **Natural Language Processing (NLP) Specialization – Hugging Face**
 - Focused on Transformer architectures, tokenization for sentiment analysis.
 - **AI Developer Professional Certificate – [Publica AI] (Expected March 2026)**
 - Validated expertise in deploying AI models into production environments.
 - **Data Quality Excellence:** Successfully annotated over 10,000+ data points with 98% accuracy for high-stakes Computer Vision and NLP training.
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LANGUAGES

- **English:** Fluent
- **Yoruba:** Fluent