Anthony Njoku

Backend & Scalable Systems Specialist | Machine Learning Engineer | AI Developer

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🚀 Professional Summary

Innovative and solutions-driven Machine Learning Engineer with a strong foundation in AI development and backend engineering. I combine advanced machine learning expertise with proven backend development skills to create intelligent, scalable, and production-ready systems. From predictive modeling to real-time AI integrations and API infrastructure, I thrive at the intersection of data, code, and performance.

🎇 Highlights:

Developed a diabetes prediction system with 89% accuracy using Python and Scikit-learn

Built a command-line AI assistant powered by Google's Gemini API, easily integrable via backend endpoints

Designed and deployed robust backend systems using Express.js and Laravel for e-commerce and automation platforms

Currently building an offline AI web app and a stealth LLM-powered solution designed for real-world industry deployment

🛠 Technical Skills

AI & ML: Python, TensorFlow, PyTorch, Scikit-learn, Gemini (LLMs), Pandas, NumPy
Backend: Node.js, Express.js, PHP, Laravel, Flask, FastAPI
Databases: MySQL, PostgreSQL, MongoDB
Deployment: Docker, ONNX, TensorFlow Serving, Firebase, AWS (In Progress)
Emerging: NLP, Computer Vision (beginner), Edge AI, Model Quantization

🤘 AI & Machine Learning Projects

1. 1. Diabetes Prediction System

• Built a model with 89% accuracy to detect diabetes risk from patient data
• Used Flask for deployment with a user-friendly input interface
• Focused on real-world usability and interpretability

2. 2. Gemini-Powered CLI Assistant

• Designed a terminal-based chatbot using Google's Gemini API
• Supports contextual, smart interactions
• Easily integrable into applications via SDK/REST

3. 3. Offline AI Website (In Progress)

• Progressive AI web app that works offline
• Implements model quantization for browser inference
• Focuses on privacy-first design

4. 4. Stealth AI Project (Under NDA)

• Architecting a game-changing AI system powered by LLMs
• Merging domain-specific knowledge with generative capabilities
• Available for discussion under NDA

🏦 Backend Projects

1. Ecommerce API for Users alone (Express.js)

Built a scalable and secure ecommerce backend using Express.js. Implemented features like product listing, cart management, order processing, admin dashboards, and user authentication using JWT and RBAC.

2. VTU Platform for Mobile Recharge & Bill Payments

Developed a web platform for airtime and data purchases, utility bill payments, and telecom services. Integrated payment gateways and ensured secure API transactions.

3. Smart Telegram Bot for Seamless Automation

Created an AI-powered bot for instant support, FAQs, and order updates, enhancing user interaction and reducing manual support.

4. Seamless WiFi Access with QR Code

Engineered a system that lets users connect to WiFi by scanning a QR code, simplifying access and improving security.

5. FalconFX Academy Platform

Built an educational platform for forex traders featuring real-time insights, structured courses, and expert mentorship.

🎓 Education
Bachelor of Science in Computer Science *(Expected Completion: 2–3 months)*
University of the People

Associate Degree in Computer Science – *Completed*
University of the People

📑 Certifications & Learning
- Machine Learning Specialization (In Progress)
- Backend Development with PHP & Laravel
- AWS Cloud Practitioner (In Progress)

💥 What I Bring to AI Teams
✔ Full-cycle ML experience: from data to deployment
✔ Backend expertise to build reliable AI systems
✔ Passionate about ethical, impactful AI
✔ Strong communicator and collaborative problem solver

📬 Let's Connect
I'm actively looking for opportunities to build intelligent systems and bring ideas to life through AI.
Open to: AI Engineering Roles | LLM Startups | Backend-AI Projects

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