

DIVINE IGBINOBA

BACKEND DEVELOPER

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Skills

Python ▪ JavaScript ▪ TypeScript ▪ C ▪ HTML5 ▪ CSS3 | FastAPI ▪ Django ▪ Flask ▪ Express.js | Docker ▪ Redis ▪ MySQL ▪ MongoDB | Git ▪ GitHub ▪ Gradio-Interface | Langchain ▪ Whisper ▪ ElevenLabs ▪ AssemblyAI | Prompt Engineering ▪ User Experience Design

Professional Experience

HealthMate Benin City | Edo State | Nigeria
BACKEND DEVELOPER JAN 2024- PRESENT

- Architected and developed a scalable backend using FastAPI, MySQL, Langchain, and Google Gemini AI, empowering users to self-diagnose illnesses, connect with medical practitioners, and access emergency services seamlessly —thereby enhancing healthcare accessibility.

Nigerian National Petroleum Corporation Exploration Production Limited Benin City | Edo State | Nigeria
BACKEND DEVELOPER INTERN July 2023- Oct 2023

- Developed a scalable FastAPI backend and MySQL database system for effective asset management, enabling efficient handling and retrieval of over 500 assets and related data, significantly enhancing operational efficiency.

Polymarq Remote
DEVOPS INTERN July 2023- Sept 2023

- Dockerized and deployed AI models on PaperSpace (a subsidiary of DigitalOcean), enabling seamless backend integration and streamlined implementation, which enhanced system performance and efficiency.

Projects and Hackathons

Lablab.ai Hackathon – [SPEECH TO SPEECH TRANSLATOR](#)

- Developed a full-stack web application that translates audio or video content from one language to any other, facilitating auditory consumption in the user’s preferred language.
- Technologies Utilized: Employed Flask, JavaScript, HTML5, Bootstrap for the front-end and back-end development. Integrated Whisper, ElevenLabs, and GPT-3.5 Turbo APIs for core translation functionalities.

Google Developer Hackathon – [VIDEO SUMMARIZATION AND Q&A WEB APPLICATION](#)

- Designed and developed a full-stack web application that uses AI to generate concise video summaries and enables conversational engagement with AI about the video’s content.
- Utilized Flask, JavaScript, HTML5, CSS3, Bootstrap for the front-end and back-end development. Integrated Whisper, YouTube and GPT-3.5 Turbo APIs for essential functionalities.

Personal Project – [AUTONOMOUS NOTE TAKING API](#)

- Developed an innovative API that records meetings, lectures, and conversations, leveraging AI to generate concise summaries with speaker detection and enabling conversational engagement with AI about the recorded content.
- Additionally, implemented a user-friendly Gradio interface for testing and integrated seamless payment options for a monthly subscription service.
- Utilized FastAPI, MySQL database, gradio-interface for the front-end and API development. Integrated Assemblyai, Meta’s llama 2 and mistral 7b APIs for essential functionalities.

Personal Project – [WHATSAPP-BASED DIAGNOSIS CHATBOT](#)

- Created a WhatsApp-based Diagnosis Chatbot, empowering users to access medical advice anytime, anywhere. This conversational AI diagnoses user illnesses and provides personalized remedies and treatment suggestions sourced from reputable health resources.
- Utilized FastAPI, MySQL database and Langchain for API development. Integrated Google’s Gemini pro, Cohere Command AI, Google search, Tavily search and Twilio APIs for essential functionalities.

Personal Project – [API-POWERED SOCIAL MEDIA API](#)

- Designed and developed a RESTful API for a social media platform, leveraging AI to enhance user posts. Key features include user authentication, post management, AI-driven, post enhancement and others.
- Utilized Express.js, TypeScript, MongoDB, Redis for caching and Socket.io for API real-time communications. Integrated Google’s Gemini pro for AI-powered post enhancement.

Course work

- Harvard CS50’s Web Programming with Python and JavaScript
- Harvard CS50’s Introduction to Programming with Python
- Harvard’s CS50: Introduction to Computer Science
- freeCodeCamp - FastAPI, Express.js (Node.js)
- ALX AFRICA – C, Python, JavaScript, HTML, CSS and SQL
- User experience design by Interaction Design Foundation