Emmanuel Ighoruemuse

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Career Objective

Motivated and passionate backend developer with strong expertise in Python and Django, seeking an internship to apply my skills in building scalable and maintainable systems while learning industry best practices. Eager to contribute to innovative projects and grow my technical expertise by solving complex challenges in a collaborative environment.

Technical Skills

- Languages: Python, JavaScript
- Backend Frameworks: Django, Django REST Framework (DRF), FastAPI
- Frontend Frameworks: Vue.js
- API Development: RESTful APIs
- Databases: PostgreSQL, SQLite, Redis
- DevOps & Tools: Docker (learning), Celery, WebSockets, Git, GitHub

Projects

MediConnect – AI-Powered Telemedicine Platform

GitHub: https://github.com/kinging1022/mediconnect

Tech Stack: Django, Vue.js, WebSockets, LangChain, FAISS, Sentence Transformers

- Developed a telemedicine platform enabling patients to book appointments and consult doctors via real-time chat and video calls.

- Built an AI-powered doctor recommendation system using vector search (FAISS) and LangChain, matching patients with the most relevant doctors based on symptoms.
- Integrated real-time WebSocket-based communication using Django Channels for a seamless chat and call experience.
- Implemented secure authentication with JWT and session-based authentication.

AI-Powered Spotify Playlist Generator

GitHub: https://github.com/kinging1022/playlistpilot

Tech Stack: Django, Vue.js, Gemini API, Spotify API, Web Scraping

- Built an application that allows users to generate Spotify playlists based on historical Billboard Hot 100 data or AI-generated themes.
- Scraped Billboard song data and used Gemini NLP to refine playlist recommendations.
- Integrated Spotify API to automate playlist creation and add songs dynamically.

Additional Information

- Hackathon Experience: Participated in MLH Global Hack Week and won swag for active participation.
- Continuous Learning: Exploring Docker, microservices, and scalable system design.