AJAYI TIMILEYIN

Software Engineer | Python developer

+2348125754326 • ajayitimmy45@gmail.com • www.linkedin.com/in/timileyin-daniel-ajayi • https://github.com/Daniel-timmy/

• Nigeria

Summary

A strong enthusiasm for leveraging technical skills in software development and AI integration has been demonstrated, with a commitment to enhancing user experiences and optimizing processes. Proven success in developing innovative solutions, such as a comprehensive parking lot management system and a traffic control algorithm, underscores a dedication to impactful engineering. A continuous drive for learning and teamwork aligns with values centered on collaboration and excellence in technology.

Skills

API Development · Bash · CSS · Django · Expressjs · Flask · Git · HTML · Java · Javascript · Linux · Machine Learning · Database Management · Data Analysis · NLP · Microsoft Office · Mongodb · Mysql · Nodejs · LLM Integration · Postgresql · Python · React · REST API · Stripe · C

Excellent Communication · Problem solving · Leadership · Analytical · Excellent writing · Agile · Fast learner

Experience

Freelance
Nigeria
Software Engineer
01/2024 - 09/2024

- Spearheaded the development of a comprehensive parking lot management system, utilizing Flask as the back-end framework to ensure robust server-side operations
- Implemented a user-friendly interface with HTML, CSS and JS, enhancing the user experience through intuitive navigation and responsive design
- Integrated Stripe payment gateway to facilitate secure and efficient financial transactions, reducing checkout problem by 90%.
- Developed a traffic simulation model using Java and AnyLogic, incorporating various traffic scenarios to optimize flow. This led to the creation of an algorithm that reduced wait times at intersections by 20%.
- Implemented a traffic control system that controls the flow of vehicles based on the number of vehicles using YOLOv5.
- Designed and implemented an algorithm that adjusts traffic control based on the number of vehicles per lane, reducing the average vehicle wait time by 20%

Fumman Chemicals
Nigeria
IT Support Engineer
01/2024 - Present

- Diagnosed and resolved hardware, software, or network-related issues.
- Assisted with installation, configuration, and maintenance of network equipments and computers.
- Developed a Python script to automate repetitive tasks, enhancing efficiency and productivity.

Freelance
Nigeria
AI Software Engineer
08/2024 - 10/2024

- Integrated a Large Language Model (LLM) into a Django based website to automate handling of product inquiries and order requests via email, enhancing customer interaction and response efficiency.
- Developed a Retrieval-Augmented Generation (RAG) solution using ChatGPT, LangChain, and integrated service/product details to enhance response accuracy and relevance by 90%.
- Achieved a 50% reduction in the time spent manually sorting and responding to emails by streamlining the process with AI-driven automation.

Aptech Computer Education
Nigeria
Network/Software Engineering Intern
07/2020 - 12/2020

- Designed, configured and manage network systems effectively
- Maintained detailed documentation for new and existing network infrastructure
- Utilized Cisco packet tracer to simulate Network configuration before physical implementation
- Trained in Android app development using Java and Kotlin.

Education

University of Ilorin
Ilorin, Kwara, Nigeria
(B.Eng.) in Electrical and Electronics Engineering
2018 - 2023
- Final Grade: Second Class Honors (Upper Division)
- Thesis Title: Design and Construction of an Intelligent Fire Detection System Using the Random Forest

Training / Courses

IBM AI developer — Coursera

ALX Software Engineering — ALX Africa

Google Project Management — Coursera

Aptech Computer Networking Associate(ACNA) — Aptech Computer Education

Membership

Nigerian Society of Engineers
GMNSE
07/2024 - Present

Graduate member Nigerian Society of Engineers

Projects

E-park

A web application used for managing parking lots
- Implemented a system that helps in managing parking spaces by providing information on available spaces.
- Language: Python Framework: Flask

AI Web Scrapper

A web application used to scrape website with the use os AI to get proper response
- Language: Python