DIKE VICTOR PASCAL

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PROFESSIONAL SUMMARY

A highly motivated Full Stack Engineer with experience in developing and maintaining web applications using Python, FastAPI, Flask, Node and modern front-end technologies. Proven ability to collaborate effectively within cross-functional teams to deliver high-performance, secure solutions.

EDUCATION

2019-2024
Lagos State University
B.SC in Electronic and Computer Engineering
Second Class Upper (Hons)

TECHNICAL SKILLS

- Front-End: CSS, HTML, JavaScript, React, Next.js
- Backend Development: Flask, Django, FastAPI, REST APIs, Node.js
- Testing: Pytest, unittest, Test-Driven Development
- Data Science: Pandas, NumPy, Deep Learning, Computer Vision, TensorFlow, PyTorch, Data Analysis
- Databases: SQL, Relational Databases
- DevOps: Git, Docker, AWS, Google Cloud Platform

PROFESSIONAL EXPERIENCE AI Lead

SPE LASU AI Club
2023 – Present

- Spearheaded the organization of AI workshops and seminars with global experts from Saudi Aramco and AWS, focusing on AI's role in the energy sector.

- Designed and led hands-on training sessions for over 50 students on AI tools and frameworks.

- Pioneered AI-driven energy optimization projects to inspire innovation among students.

Student Intern
Doyen Emerging Technologies and Engineering Limited
April 2023 – June 2023

- Resolved complex technical challenges using Python-based solutions and MATLAB simulations.

- Provided comprehensive IT support and technical documentation.

Research Assistant
Lagos State University
2023 – Present

- Developed machine learning algorithms in Python using Pandas and NumPy to analyze sensor data for a wearable stress monitoring device.

PROJECTS

UniversityX – AI-Powered Education Management Software

- Worked with a team to develop a software solution that enhances learning outcomes using AI-driven analytics.

- Secured the top 10 finalist spot at the Wema Hackaholics 4.0, competing against thousands of teams.

Nexus Hackathon Organizer – Energy Innovation Conference

- Co-designed hackathon challenges to inspire creativity in energy-related innovations.

- Managed logistics, mentoring participants, and ensuring a successful event.

Diabetic Retinopathy Detection System

- Developed an end-to-end deep learning solution for the detection, segmentation, and treatment recommendations for diabetic retinopathy.

- Integrated large language models to provide actionable medical advice.

AWARDS AND RECOGNITIONS

- **Wema Hackaholics 4.0**: Top 10 Finalist for innovative AI-powered software (2023).

- **Serenze Global Technology Education Grant**: Selected as one of 100 students worldwide for exemplary software engineering potential (2021).

- **SPE-LASU Award for Innovation and Leadership**: Recognized for contributions to AI and technology education.

LEADERSHIP AND VOLUNTEER ROLES

- **Publicity Lead**: *Ingressive for Good (I4G)* LASU Chapter – Championed tech education initiatives, impacting 500+ students.

- **Ambassador**: *Power Learn Project (PLP)* – Advocated for tech-driven solutions and capacity building.

- **Volunteer**: *TEDx Isador* – Secured sponsorships and managed logistics for a youth-focused event.

CERTIFICATIONS

- Back-End Engineering Virtual Experience Program – Lyft

- Python Programming Foundations – Udacity

- Machine Learning and Deep Learning – Coursera

INTERESTS

Artificial Intelligence | Renewable Energy Solutions | Community Building | Software Development

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