DANIEL EKONG

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Education

Nile University of Nigeria — Abuja, Nigeria
B.Eng., Computer Engineering, First Class Standing (GPA: 4.59) — Expected November 2025
Focus: Computer Vision, Embedded Systems, Neural Interfaces

Trinitate International School — Port Harcourt, Nigeria
High School Diploma — August 2020
Honors: Best Graduating Student – High School (2020), Speaker of the House – High School (2019)

Earlydays International School — Port Harcourt, Nigeria
First School Leaving Certificate — June 2014
Honors: Best Graduating Student – Primary School (2014)

Experience

Nigeria LNG Ltd — Port Harcourt, Rivers
Intern | March 2024 – August 2024

- Designed and deployed internal web applications to digitize HR and engineering processes, improving workflow efficiency.
- Participated in Azure DevOps and Microsoft workshops, enhancing practical skills in DevOps and cloud solutions.
- Supported technical and administrative operations, applying strong problem-solving and communication skills.
- Developed the SIWES Direct web application at NLNG to streamline student industrial training placement management, reducing manual processing time and enhancing user accessibility.

Royal View Services Ltd — Port Harcourt, Rivers
Technical Assistant | June 2020 – Present

- Supported client and operational activities with a focus on service delivery and administrative coordination.
- Applied technical and interpersonal skills to streamline business processes and maintain customer satisfaction.

Projects

JobBot – AI-Powered Career Assistant

- Built a generative AI tool for job discovery and interview simulation using LLMs and prompt chaining.
- Deployed an interactive frontend with HTML, JavaScript, and OpenRouter APIs to enhance user engagement.

B-CAPTCHA – Moving Slot CAPTCHA System

- Developed an anti-bot system using unpredictable animated slot-matching with HTML5 drag-and-drop features.
- Integrated behavioral detection, honeypot fields, and joystick-mode for accessibility on mobile/desktop.

Brain-Computer Interface for Smart Home Control

- Designed and implemented a neural signal processing system with ML models and embedded control for assistive technology.
- Enabled real-time gesture-based control of home devices for enhanced accessibility.

TPD Workflow Automation

- Created digital portals to automate HR and engineering workflows with integrated email notifications and approval dashboards.
- Improved processing transparency and reduced turnaround times across departments.

SIWES Direct

- Developed the SIWES Direct web application at NLNG to digitize and centralize student industrial training placement management, eliminating paper-based submissions and manual tracking.
- Implemented secure login, application status tracking, and automated notifications to improve communication between applicants and HR.
- Reduced application processing time from weeks to days while enhancing transparency and data accuracy.

Skills

Technical: Python, OpenCV, TensorFlow, SQL, HTML, CSS, JavaScript, Embedded Systems, Signal Processing, GitHub, Azure DevOps (Basics), Cybersecurity (Fundamentals)
Tools: Adobe Creative Suite (Photoshop, Illustrator, Lightroom), Microsoft Office Suite
Domain Expertise: Computer Vision, Machine Learning, Web Application Development, Image Processing, Workflow Automation
Soft Skills: Research & Problem-Solving, Interpersonal Communication, Cross-functional Collaboration, Counseling

Languages: English (Native proficiency)
Other: Photography, Creative Direction

Certifications

- OpenCV Bootcamp — OpenCV (July 2025)
- Evaluation and Light Customization of Large Language Models — NVIDIA (July 2025)
- Generative AI Mastermind — Outskill (July 2025)
- Introduction to Modern AI — Cisco (July 2025)
- Data Analytics Essentials — Cisco (May 2025)
- Introduction to Data Science — Cisco (March 2025)
- AWS Educate: Getting Started with Compute — AWS (December 2024)
- AWS Educate: Getting Started with Storage — AWS (December 2024)