

# 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.
- Enhanced cloud and DevOps expertise through Microsoft-led Azure workshops, applying concepts to live automation projects.
- Supported technical and administrative operations, applying strong problem-solving and communication skills.
- Developed an 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.

## **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, Photography, Creative Direction
- **Languages:** English (Native proficiency)

## **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.

### **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)