

WISDOM CORNERSTONE

Electrical Engineer | Embedded Systems | Network Infrastructure
GMNSE | GNIEEE | p.COREN (Pupil Engineer)

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PROFESSIONAL SUMMARY

I am a results-driven Electrical Engineer with a B.Tech (CGPA 4.16/5.0) from Rivers State University and hands-on experience spanning embedded systems design, LAN network administration, and electronics troubleshooting. I registered as a Pupil Engineer with COREN and a Graduate Member of both the NSE and NIEEE. I possess a proven track record of building functional hardware-software systems, including a microcontroller-based smoke detector with real-time SMS/call alerts, and presenting original research at national engineering forums. I seek a challenging engineering role where strong technical fundamentals and research capability can drive measurable outcomes.

KEY CREDENTIALS

Pupil Engineer — COREN

Graduate Member — Nigeria Society of Engineers (GMNSE)

Graduate Member — NIEEE (GNIEEE)

Member — International Statistical Engineers Association (MISEA)

Member — International Engineers Association (MIAEng)

Certified Prompt Engineer — Harvoxx Tech Hub

TECHNICAL SKILLS

Hardware	Microcontroller programming & integration, Soldering & desoldering, Circuit design & troubleshooting, Conduit & surface wiring, electronic component identification.
Software and Tools	NI Multisim (CAD), Microsoft Office Suite, LAN Administration & JAMB Facility Setup, Programming Fundamentals, Proteus.
Engineering	Sensor integration, Amplifier design, Electrical installation, technical report writing, Research & publication

WORK EXPERIENCE

Broadcast Engineer (NYSC)

Choffan Communications Limited

Ekwusigwo, Anambra State

May 2026 – Present

- Practised teamwork while working with a group of engineers
- Supervised the installation of a 60kva Solar powered inverter system
- Monitored and maintained a 60kva solar powered system
- Performed preventive and corrective maintenance on broadcast transmitters, audio processors, consoles and high-cost broadcast equipment owned by the establishment.
- Served as Network Engineer/IT support specialist for two radio stations, Blaze 91.5FM and Ijele 93.1 FM.
- Maintained LAN connected desktop computers
- Troubleshooted and resolved problems from a range of sources to minimize downtime.
- Documented daily operations including inventory and stock management of equipment under my office.

Network Administrator

IJA Computer Service

Oyigbo, Rivers State

April 2025 – April 2026

- Administered and maintained LAN infrastructure supporting examination operations for JAMB-accredited proctored facilities
- Performs scheduled preventive maintenance on a fleet of 200+ computers, reducing downtime and ensuring operational readiness

IT & Science Teacher

Davesbell International School

Rumuolumeni, Port Harcourt

April 2025 – Nov. 2025

- Delivered curriculum for Basic Science, Basic Technology, and Information Technology to JSS 1–3 students
- Taught Geography to SSS 1 students, integrating real-world applications into lesson plans

Physics & Further Mathematics Teacher

Sure Foundation Group of Schools

Rumuolumeni, Port Harcourt

Feb. 2025 – Nov. 2025

- Taught SSS 1–3 Physics covering mechanics, electricity, and optics with hands-on practical sessions
- Delivered Further Mathematics to SSS 2 students, strengthening analytical and problem-solving skills
- Prepared students for the 2025 WASSCE examinations which recorded an 80% success rate.

Undergraduate Electrical Engineering Intern

Matronics Technical Services

Mile 3, Port Harcourt

June 2023 – Dec. 2023

- Designed and simulated amplifier circuits using NI Multisim CAD software
- Executed soldering, desoldering, and electronic device troubleshooting in a live commercial workshop
- Gained applied knowledge of electronic component identification and general maintenance practices

Electrical Installation Apprentice

Enoch Electricals

FGGC Abuloma, Port Harcourt

Aug. 2020 – Oct. 2020

- Contributed to the completion of half-conduit wiring of a 3-bedroom flat at Federal Government Girls College, Abuloma
- Practised conduit and surface wiring techniques under supervision.

PROJECTS AND PUBLICATIONS

1. **Smoke Detection System with SMS and phone call Alert capability**

- Designed and constructed a fully functional system using Arduino microcontroller, gas/smoke sensor, and GSM module
- Integrated automated SMS and voice alerts for real-time emergency notification
- Co-authored a comprehensive technical report detailing design methodology, circuit schematics and test results

2. Adulterated premium motor spirit Detection system

- Designed a sensor-based prototype to identify adulterated petrol using chemical property sensors
- Presented research findings at the Nigeria institute of Electrical Electronics Engineers Port Harcourt Week 2024.

3. Heat Controller Using NTC Thermistor

- Designed and constructed a temperature-responsive control circuit using a Negative Temperature Coefficient (NTC) Thermistor. *Published. academia.edu*

4. Security challenges and engineering solutions for an improved economy. *Published. Academia.edu*

5. Applications of Sensors and Future Directions in Engineering. *Published. Academia.edu*

EDUCATION

B.Tech – Electrical Engineering

Rivers State University, Port Harcourt

Sept. 2019 – Dec. 2024

CGPA: 4.16/5.0

ADDITIONAL CERTIFICATIONS AND LEADERSHIPS

- Introduction to Cybersecurity – Hp Life
- IT for Business – Hp life
- AI for business Professionals – HP life
- Basics of Cisco Network Associates – Allison
- Basics Of Network Engineering – Allison
- Renewable Engineering and sustainable development- Allison
- NIEEE Port Harcourt Student Design Contest – Participant
- Executive President, Society of Electrical Electronics Engineering Students (SEEES), RSU Chapter – 2023
- Director of publicity, SEEES, RSU chapter – 2022

REFEREES

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