PASCAL OCHIENG

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## PROFESSIONAL SUMMARY

I am a committed and practical graduate in Telecommunication and Information Engineering with strong foundational skills in electrical design, system maintenance, and safety compliance. I have hands-on experience in electrical installations, repair, and inspection in diverse environments—ranging from construction sites to ICT service centers. With formal training in Kenya’s Building Code, coupled with leadership and team-oriented roles, I am ready to contribute to public infrastructure development as a dependable and safety-focused Electrical Engineer.

## KEY STRENGTHS & ACHIEVEMENTS

* Installed and supported 20+ electrical and electronic systems, including generators, solar power, and structured cabling.
* Conducted inspection and maintenance of systems in residential and office settings.
* Successfully completed NCA Building Code training, emphasizing electrical safety in buildings.
* Awaiting release of degree certificate to complete registration with the Engineers Board of Kenya as a Graduate Engineer.
* Provided ICT and technical support to 900+ clients as part of community-based service roles.

## RELEVANT EXPERIENCE

***Calmape Engineering Ltd — Electrical & ICT Intern***  
***Nakuru | Jan 2025 – Present***

* Supported electrical system installations, including power cabling, generators, and electronic systems.
* Participated in field inspections and coordinated maintenance tasks in collaboration with technical staff.
* Assisted in drafting and reviewing tender specifications related to electrical installations.

***Savotech Venture — Electrical Attachment  
Bondo | May – Aug 2023***

* Carried out installation, repair, and maintenance of electrical and electronic systems:
* Generators, Solar Units, Alarm Systems, CCTV
* Conducted routine safety checks and ensured all installations complied with set standards.
* Collaborated with senior technicians to resolve system faults and perform follow-up maintenance.

***DeKUT Chaplaincy Media Center — ICT & Systems Volunteer  
Nyeri | Sep 2023 – Jan 2025***

* Maintained small-scale electrical and ICT systems (Wi-Fi routers, backup units).
* Diagnosed and resolved power-related failures in computing environments.  
    
  ***Dedan Kimathi University of Technology (DeKUT) — Engineering Attachment  
  Nyeri | May – Aug 2022***
* Engaged in practical electrical systems labs: motors, transformers, wiring and power systems.
* Designed and tested PCB layouts and participated in Arduino-based control projects.

## EDUCATION

**BSc. Telecommunication & Information Engineering**  
Dedan Kimathi University of Technology-Nyeri   
Second Class Upper | Graduated May 2025 – Awaiting Final Transcript & Degree Certificate

**KCSE – Siger Mixed Secondary School**  
B (Plain), | 2016-2019

## TECHNICAL SKILLS

* + Electrical Installation, Repair & Maintenance (residential, workshop & office settings)
  + Electrical System Design (basic)
  + Generator & Solar Systems Setup
  + Electronic Systems: CCTV, Alarm, Wi-Fi networks
  + Tools & Software: MATLAB, Arduino, PCB layout
  + Building Code Compliance: Trained under NCA sensitization

## SOFT SKILLS

* Problem Solving & Analytical Thinking
* Technical Documentation & Safety Awareness
* Communication & Collaboration
* Time Management & Adaptability

## PROJECTS

**IoT-Based Cattle Health Monitoring System — Final Year Project | 2024**

* Designed system with sensors and wireless modules for real-time monitoring.
* Applied embedded systems design, PCB layout, and fault detection algorithms.

**Electrical & Surveillance Systems Installations — Savotech Venture | 2023**

* Supported full-cycle implementation of electrical and electronic systems for real-world clients.

## CERTIFICATIONS & TRAININGS

* NCA Building Code Sensitization Training (2025)
* Cisco Networking Basics, Cisco Networking Academy (2025)
* Peer Counselling Training, DeKUT (2021)
* Soft Skills Training, BrighterMonday/Mastercard (2025)
* Leadership Roles:
* Chairperson, DeKUT Catholic Electoral Commission (2024/2025)
* Coordinator, St. Joseph Engineering Association (2023/2024)
* Class Representative, DeKUT (2025)

## INTERESTS

* Power Systems Safety and Sustainability
* innovation in Electrical Design
* Cycling & Mountain Hiking
* Mentoring and Community Development

## REFEREES

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