

MERCY MELODY CHEMUTAI

Location: Nairobi, Kenya

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PROFESSIONAL SUMMARY

Results-driven Electrical and Electronics Engineer with specialized expertise in telecommunications and network technologies. Proven track record in Core Network operations, prototype development, and PCB fabrication. Currently expanding technical capabilities through advanced data science and software development training. Demonstrates exceptional problem-solving abilities, strong communication skills, and collaborative leadership experience.

CAREER OBJECTIVE

To leverage comprehensive technical expertise in network technologies, emerging data science skills, and software development capabilities to drive innovative solutions in telecommunications and technology sectors.

EDUCATION

Bachelor of Engineering - Electrical and Electronics Engineering

Moi University Main Campus | 2018 - 2024

First Class Honors

Kenya Certificate of Secondary Education (KCSE)

Maryhill Girls High School | 2014 - 2017

Kenya Certificate of Primary Education (KCPE)

Kabianga Primary School | 2011 - 2013

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Current Certifications:

- Huawei 5G Core Network Certification – In Progress
- Data Science Course - DataCamp (In Progress)
- Software Development Course - PLP Academy (In Progress)

- EBK Graduate Engineer Certificate No. B27787

Completed Programs:

- Huawei Management Trainee Program - CS/IMS Technology Specialisation (2024-2025)
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PROFESSIONAL EXPERIENCE

Management Trainee - Core Network Engineering

Huawei Technologies Ltd | July 2024 - January 2025

- Specialized in Core Network CS/IMS technology implementation and maintenance
- Successfully executed critical network operations including switchover procedures and service deployment
- Conducted maintenance operations on key network elements through license upgrades, certificate replacements, and patch implementations
- Demonstrated proficiency in complex network troubleshooting and optimization

Electrical and Electronics Engineer Intern

Kenya Airports Authority | June 2023 - August 2023

- Maintained and optimized telecommunication network infrastructure
- Managed VHF Radio Transceivers, PABX systems, and telephony equipment
- Applied comprehensive knowledge of 2G, 3G, 4G, and 5G technologies in practical scenarios
- Ensured network reliability and performance for critical aviation communications

Electrical and Electronics Engineer Intern

Gearbox Europlacer | June 2022 - August 2022

- Designed, assembled, and tested electronic prototypes from concept to completion
 - Gained hands-on experience in PCB design and fabrication processes
 - Collaborated with cross-functional teams to deliver high-quality electronic solutions
 - Applied engineering principles to optimize prototype performance and reliability
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TECHNICAL SKILLS

Network Technologies:

- CS/IMS Core Network Architecture
- 2G, 3G, 4G, 5G Network Technologies

- Network Maintenance and Optimization
- PS (Packet Switched) and SDM (Space Division Multiplexing) Protocols

Engineering & Development:

- PCB Design and Fabrication
- Prototype Development and Testing
- Electronic Circuit Analysis
- IoT Solution Development

Software & Data:

- Data Science (DataCamp)
- Software Development (PLP Academy)

Professional Skills:

- Technical Communication
 - Team Leadership and Collaboration
 - Project Management
 - Problem-Solving and Innovation
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PROJECTS

Smart Cattle Spray Booth

IoT-based Automated Solution

- Developed an innovative IoT-based system for automated cattle spray control
 - Integrated sensor technology with control systems for efficient livestock management
 - Demonstrated practical application of engineering principles in agricultural technology
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LEADERSHIP EXPERIENCE

Club Secretary & Microsoft Learn Student Ambassador

Moi University | 2019 - 2024

- Led student technology initiatives and organized educational events
- Facilitated knowledge sharing sessions on Microsoft technologies
- Coordinated club activities and maintained effective communication with stakeholders

- Mentored junior students in technical and professional development
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PROFESSIONAL REFERENCES

Ephraim Mwandairo

Core Network Engineer

Huawei Technologies Company

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