

VINCENT KIPLANGAT

PROFESSIONAL SUMMARY

Detail-oriented professional with a Bachelor of Technology in Electronics and Computer Engineering, Certificate in Core Data Science from Moringa School, Web Development Boot camp from eMobilis Technology Institute and Cloud and Network security skill from Cybershujaa coupled with CCNA and Cisco trainings from CISCO Network Academy.

WORK EXPERIENCE

ICT Intern (*Kuresoi-North Sub – County*)

Ministry of Education – State Department for Basic Education
| (May 2024 – Current)

- Supporting of E-Learning and content development in line with the scheme of work.
- Providing classroom support and training of School teachers in use of digital literacy devices.
- Supporting the implementation of the Digital Literacy Programme.
- Carrying out innovations to enable schools to improve on use of digital learning.
- Providing support in the safe, secure and ethical use of technology in learning.
- Assisting teachers by integrating ICT in the delivery of teaching, learning, assessment and reporting.
- Supporting school staff with development and production of key school policies and procedures.
- Provide first-line support and maintenance of ICT services in the schools.

IT and Telecommunications Trainee

Kenya Power and Lighting Company | (May 2023 – July 2023)

- Performed software Installations from the companies' database such as the QGIS.
- Handled the companies' hardware and software preventive and breakdown maintenance i.e. printers.
- Configured switch, IP Phones and VPN.
- Provided user support to staff i.e. Biometrics entry.
- Performed fiber splicing using fusion splicer.
- Performed patch Cable maintenance.
- Performed ICT LAN Support.
- Ensured workflow and work ethics of IT devices in the company.

Project Mentor (Voluntary)

Young Scientist of Kenya | (August 2022 – November 2022)

- Mentored and guided young and innovative high school students with brilliant science innovations in the fields of Chemistry, Mathematics and physics in research work,

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PROFESSIONAL MEMBERSHIP

Kenya Technologist and Technicians Registration Board (KETRB):

- Electrical Engineering Candidate Engineering Technologist under the registration number: **C02906**.

ICT Authority:

- ICT Graduate member under the registration number: **ICTA/STD/PROF/8DEF0558D**.

Institute of Engineering Technologist and Technicians of Kenya (IET-K) :

- Graduate Engineering Technologist member under the registration number: **8024**

SKILLS

Technical Skills

- Cloud and Network security.
- AWS and Azure cloud skills.
- Data mining, cleaning, analysis, validation and visualization in python.
- Tableau for data visualization.
- Machine learning modeling and training in python and deployment using Django and streamlit.
- Django web development.
- Computer hardware and software maintenance.

research report writing and research presentation.
(*Mentored a first runners up award winning project*).

Electronics Engineering Trainee Kenya Electricity Generating Company (KenGen) | (June 2022 – August 2022).

The General exposure as a trainee were:

- Power generation in Gas turbine Power Plant.
- General operations of Gas turbine power plant system.
- Working Principle, Types and Maintenance of Transformer.
- Electrical Motors; Types, Working Principles and Maintenance.
- Excitation Systems; Types, Working Principles and Maintenance.
- Controls and Protection system.
- Instrumentations; Operations, testing and maintenance of switches, gauges, servo valves, solenoids and sensors (Speed, level, temperature).
- Electrical Tools and Machines Testing and Servicing.

EDUCATION

- **Certificate in Core Data Science**, Moringa School | *November 2023 – May 2024.*
- **Bachelor of Technology in Electronics and Computer Engineering (Second Class Upper Division)**, Kirinyaga University | *2019 – 2023.*
- **Kenya Certificate of Secondary Education (KCSE)**, Tenwek High School | *2015 – 2018.*
- **Kenya Certificate of Primary Education (KCPE)**, Tenwek Boarding Primary School | *2010 – 2014.*

TRAININGS AND CERTIFICATIONS

- **Cloud and Network Security**, Cyber Shujaa Program | *September 2024 – November 2024.*
- **Django Web Development Boot camp**, eMobilis Technology Training Institute | *October 2023 – December 2023.*
- **Cisco Certified Network Associate (CCNA) 1**, Cisco Networking Academy | *February 2024 – May 2024.*
- **Cisco Network Security**, Cisco Networking Academy | *September 2022 – November 2022.*
- **Cisco Cybersecurity Essentials**, Cisco Networking Academy | *September 2022 – December 2022.*
- **Certificate in Computer Packages**, Rift Valley Institute of Science and Technology (RVIST) | *March 2019 – April 2019.*
- **Class-B Driving classes**, AA Kenya | *March 2019 – May 2019. (Licensed Class-B Driver).*

- IOT programming in C++.
- Electrical installation and maintenance and Electronic designs (*Proteus, NI Multism, and AutoCAD*).
- Microsoft Office suites.
- Google suites.

Soft Skills

- Strong communication and interpersonal skills.
- Report writing and presentation.
- Presentation preparation and delivery.
- Leadership and teamwork.
- Decision Making

HONOURS AND AWARDS

- **Winner of the 10th ARSO Continental Essay Competition in Kenya**, Kenya Bureau of Standards (KEBS) | *16th October 2023.*
Themed: *The role of standardization in promoting the growth of Micro, Small and Medium sized enterprises (MSMEs) for sustainable, inclusive, and diversified industrial and Economic development in Africa.*
- **Award for the participation of the World Engineering Day Hackathon 2024**, UNESCO | *Feb 2024*
Themed: *Climate Change*

REFERENCES

Jacob O Okome

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Shirley Musima

Assistant Lecturer, Kirinyaga University
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