

## PROFESSIONAL SUMMARY

Versatile and results-driven Software Engineer with expertise in computer networking, machine learning, database management systems (DBMS), and IT support. Skilled in designing intelligent systems, deploying secure and scalable web apps, and supporting users across various platforms. Proficient in all DBMS languages, Django, and Python with a strong foundation in AI, networking architecture, and backend development.

### EDUCATION

#### Bachelor’s Degree in Software Engineering

Kirinyaga University

Grade: To be confirmed

2021– 2025

#### Certificate in Life Skills Management and Computer Studies

Hemland Technical

College Grade: A

2021 - 2021

### SKILLS

- Python programming
- Networking administration
- DBMS administration
- IT support
- Machine Learning
- Customer Service
- Remote & On-site support tools

### TOOLS

Git, GitHub, Docker, VS Code, PyCharm, Sublime Text, Wireshark, Cisco Packet Tracer, VMware, VirtualBox, pgAdmin, phpMyAdmin, MySQL Workbench, Postman, Jupyter Notebook, Notion, Figma (basic)

### WORK EXPERIENCE

#### SHOFCO

#### IT Support Intern - Intern | May 2024 – August 2025

- Remote IT Monitoring
- Applications Development
- User training and support on technical requests.
- User training on cybersecurity

measures.

- Smart device installations

**Sony Sugar Company**

**Technical Support- *Intern* | *May 2023 - August 2023***

- ♦ Installed and configured hardware and software systems, ensuring optimal performance and seamless integration across various platforms.
- ♦ Diagnosed and resolved computer network issues, leveraging troubleshooting skills to maintain uninterrupted connectivity and system functionality.
- ♦ Implemented network security controls, including firewall configurations and access restrictions, to safeguard organizational data and systems against potential threats.
- ♦ Conducted mentorship sessions for employees, fostering interest in technology and guiding them in foundational IT concepts.
- ♦ Managed and maintained the organization's database, ensuring data integrity, accessibility, and security compliance.
- ♦ Delivered IT training sessions to the company's high school form-four leavers, equipping them with essential computer skills.

## ACHIEVEMENTS

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- SHOFCO's best performing Intern
- Conducted Ethical Hacking Fundamentals Training to a group of 15 university students.
- Created a WhatsApp channel with Educational Tech Videos.
- Invited as keynote speaker at the Kodeny TVET during the career guide seminar.

## CERTIFICATIONS

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- IBM IT Support - 2025
- Network Technician, Cisco Networking Academy – 2024
- Drafted detailed penetration test reports with risk assessments and actionable recommendations, enabling clients to better understand and address their security weaknesses.
- Solved advanced Capture-the-Flag (CTF) challenges on platforms like Hack The Box and TryHackMe, showcasing a commitment to continuous learning.

## TECHNICAL PROJECTS

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### AI-Based Healthcare System

- Designed a machine learning-driven web application to predict diseases based on user input
- Integrated classification algorithms (Logistic Regression, SVM) for predictive modeling
- Built with Django (backend), Python (ML logic), SQLite (database), Bootstrap (frontend)

### Network Monitoring & Alerting Dashboard

- Implement a solution to monitor key network metrics (latency, packet loss, device uptime) and send real-time alerts when thresholds are breached.  
Technologies/Tools: Prometheus + Node Exporter, Grafana for visualization, SNMP polling via Telegraf, Alertmanager for notifications (email/Slack).

### Online Blood Bank Management System

- Developed a full-stack application with Django to manage blood inventory, donors, and recipients
- Features: Secure login, real-time blood availability updates, role-based user dashboards
- Tech Stack: Django, SQLite, JavaScript, Bootstrap, Docker, GitHub

# REFERENCES

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References available upon request

