

**Denis Kinyua**

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**10200,Murang'a**

**MACHINE LEARNING AND DEVOPS SPECIALIST**

Enthusiastic and results-driven Machine Learning Specialist with a strong foundation in Python development, DevOps practices. Proven experience in building and deploying real-world applications in machine learning, automation, and network security. Adept at solving challenging problems using data-driven approaches and scalable architectures.

**EDUCATION**

**Murang'a University of Technology** **Sep 2020 -March 2024**  
Bachelor of Science in Information Technology  
Second Class Upper

**NJiiri School** **Feb 2016 - Nov 2019**  
Kenya Certificate of Secondary Education(KCSE)  
C+ **Jan 2007 - Nov 2015**

**Wanjerere Primary School**  
Kenya Certificate of Primary Education (KCPE)  
347 Marks B-

# PROFESSIONAL EXPERIENCE

## **Murang'a County Government**

**April 2024--Nov 2024**

### **IT Project Coordinator**

Oversaw ICT projects across various departments, driving the digitization of county operations. Led initiatives in cybersecurity, cloud adoption (AWS), and systems integration.

#### **Accomplishments:**

- Coordinated ICT infrastructure projects across county departments, ensuring timely delivery and alignment with strategic development goals.
- Installed, configured, and maintained desktops, printers, VoIP systems, and mobile devices in a corporate environment

## **Murang'a Level 5 Hospital**

**April 2023 - Oct 2023**

### **ICT Officer – Health Systems Support**

Supported the hospital's digital systems, including health records, network infrastructure, and user training. Improved data flow and reliability through system upgrades and compliance with health IT standards.

#### **Accomplishments:**

- Improved data integrity and access to patient information through system upgrades and user training.
- Integrated hospital data systems with county-level reporting tools to support evidence-based health planning.

## **Cool Petroleum Products**

**Feb 2025 - Present**

### **IT & Systems Assistant**

Managed IT systems supporting daily fuel station operations, including POS, tank monitoring, and inventory software. Played a key role in transitioning systems to the cloud, enhancing data accessibility and business continuity.

#### **Accomplishments:**

- Worked with the management team to digitize inventory and sales reporting processes.
- Assisted in the migration of local systems to cloud platforms (AWS S3 and Lightsail) for improved accessibility and backup.
- Documented support requests using ServiceNow and created a knowledge base that reduced repeat tickets by 20%.

**April 2022 - Nov 2022**

## **African Leadership X(ALX)**

### **Student Intern**

Completed intensive training in software development, cloud computing, and DevOps as part of the ALX Africa program. Gained hands-on experience in collaborative coding, agile project management.

#### **Accomplishments:**

- Built and deployed multiple full-stack applications using Python, JavaScript, and RESTful APIs.
- Collaborated on team-based agile projects, improving proficiency in Git, GitHub, and CI/CD workflows..
- Automated routine tasks using shell scripting and Python, enhancing operational efficiency.

## **KEY COMPETENCIES**

- Programming Languages: Python, Java, JavaScript
- Databases: MySQL, PostgreSQL, MongoDB
- DevOps & Tools: Docker, Kubernetes, Git, Jenkins, CI/CD pipelines
- Cloud Platforms: AWS, Azure, Google Cloud Platform
- Software Development Life Cycle
- Data science
- networking management
- Other: RESTful APIs, GraphQL, Microservices, Agile/Scrum, GitHub, Jira
- Artificial Intelligence and IOT

## **CERTIFICATES**

### **CISCO NETWORKING ACADEMY**

- cyber security
- Data Science
- networking management
- Internet Of Things

### **UDEMY ACADEMY**

- Certified Professional IT Manager (CPIT)
- Cyber Security and Ethical hacking Online Course
- Python Programming Masterclass

### **AWS CERTIFICATIONS**

AWS Cloud Practitioner

AWS Certified Machine Learning Engineer