

# KIRUI RYAN KIBET

📍 Kenyan Citizen | male | Fluent in English & Kiswahili

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## EDUCATION

### **Bachelor of Science in Mechatronic Engineering**

Dedan Kimathi University of Technology

Expected Graduation: 2027

**Coursework includes:** Engineering Mathematics, Mechanics of Machines, Thermodynamics and Fluid Mechanics, Electrical Circuits and Electronics, Sensors and Instrumentation, Control Systems Engineering, Microcontrollers and Embedded Systems, Robotics and Automation, Computer-Aided Design (CAD) and Manufacturing, Programming for Engineers (Python and C/C++), Mechatronic System Design, and Power Electronics and Actuators.

### **Kenya Certificate of Secondary Education (KCSE)**

*Kaplong Boys High School*

💻 2020 – 2023

### **Kenya Certificate of Primary Education (KCPE)**

*Green Park Academy*

💻 2009 – 2019

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## TECHNICAL SKILLS

Proficient in **mechanical design, automation, and software development**. Skilled in using **SolidWorks** and **AutoCAD** for 3D modeling and system design, and experienced with **Arduino** and **Raspberry Pi** for embedded systems and control applications.

Strong programming background in **Python, C/C++, Java, HTML, CSS, JavaScript**, and **Django** for web development. Familiar with **React, Node.js, and Flutter** for building user interfaces.

Knowledgeable in **microcontroller programming, PLC logic, circuit design, sensors and instrumentation**, and **control systems**. Experienced in using **Git, SQL, Firebase**, and **RESTful APIs** for project development and version control. Operates comfortably on **Windows** and **Linux** environments.

## 💻 TECHNICAL PROJECTS

**eMobilis Technology Training Institute Django Web Application**

- Developed a full-stack web system using **Django**, integrating front-end (HTML, CSS, JavaScript) with a secure backend.
  - Designed user authentication, data management, and dynamic content rendering for business workflow automation.
  - Implemented RESTful APIs and database models using **PostgreSQL**, ensuring efficient and scalable data handling.
  - Collaborated with peers to test and deploy the system, gaining practical experience in software development cycles.
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## **EXTRACURRICULAR ACTIVITIES**

- **Member, Computer Society of Kimathi** – participated in hackathons and technical workshops, enhancing teamwork, leadership, and problem-solving skills.
- **Active Member, IASTE (International Association for the Exchange of Students for Technical Experience)**
  - Collaborated on cross-cultural technical projects and educational initiatives promoting science and technology among students.
  - Participated in international research exchange programs that strengthened global collaboration, adaptability, and communication.
  - Assisted in organizing IASTE workshops and STEM outreach events, improving leadership and coordination abilities.
  - Engaged in data-driven and engineering-based projects that fostered practical application of computer science concepts in real-world settings.
  - Contributed to preparing technical reports and presentations summarizing project outcomes and research insights.

## **PERSONAL ATTRIBUTES**

Self-motivated & Reliable

Strong Communication Skills

Flexible & Time-Conscious

Analytical Thinker & Team Player

## **HOBBIES & INTERESTS**

 Traveling |  Learning New Skills

## **REFEREES**

### **1. Mr. Linus Cheruiyot Korir**

HOD Agriculture, Kaplong Boys High School

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### **2. Dr. Titus Mulembo**

HOD Mechatronic Engineering , Dedan Kimathi University of Technology

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