

KIRUI RYAN KIBET

📍 *Kenyan Citizen | male | Fluent in English & Kiswahili*

☎ +254 711432934 | ✉ ryankibet84@gmail.com

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

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.
-

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

 +254 703 649515

2. **Dr. Titus Mulembo**

HOD Mechatronic Engineering , Dedan Kimathi University of Technology

 +254 113969223
