

# HAKIZIMANA Leogad

Tech Alchemist



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📍 Kigali, Rwanda

🌐 Leogad Hakizimana

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## 👤 PROFILE

Embedded Systems and IoT developer with Computer vision project experience, expanding into Machine Learning to build intelligent solutions

## 📄 CERTIFICATES

[https://drive.google.com/drive/folders/18BYXC\\_CheSIJT8MjkhMC\\_WXfp7hWjY-lz?](https://drive.google.com/drive/folders/18BYXC_CheSIJT8MjkhMC_WXfp7hWjY-lz?usp=sharing)

[usp=sharing](#)

- First Lego league Competition (2022-23)
- National Statistics Institute of Rwanda (NISR) RCA Hackathon (2025-26)
- Hack with Me Hackathon 2025
- NASA Space App Challenges 2025
- Vex VR Robotic Challenge 2025
- IBM SkillsBuild Computer Vision Certification
- IBM Skillsbuild Machine Learning Certification

## 🏆 AWARDS

### 5th Position Winner

Hack With Me (Hackthon)

15/08/2025

## 🎓 EDUCATION

### Diploma

ESSA NYARUGUNGA

09/2023 – Present | Kigali, Rwanda

**ESSA Nyarugunga** (2023 – 2026) Advanced Level (A'Level)  
– Computer Systems and Architecture

**GS Nyanza** (2019 – 2023) Ordinary Level (O'Level)

**GS Gikondo St. Parrot** (2014 – 2019) Primary Education

## 🌐 LANGUAGES

English



Kinyarwanda



Kiswahili



## 📖 COURSES

### Python programming

Mastery Hub of Rwanda

01/2026 – Present | Kigali, Rwanda

### Computer Vision

IBM SkillsBuild

02/2026 | Kigali, Rwanda

### CAD Design

UNIPOD

05/2025 – 06/2025

## 📁 PROJECTS

### Smart Home Automation

Integrated home sub system control in all field

03/2023 – 04/2023

### SmartGuard

Ai powered Crop Diseases detector system

02/2026 – 03/2026

### Intelligent White Canes

Ai powered and Iot powered White Cane

09/2025 – 01/2026

### Smart Attendance

Iot Powered attendance within custom Dashboard

01/2024 – 04/2024

### 1st Runner up Winner

NewYork Academy of Science(Green Innovation Challenge )

05/09/2023



## PROFESSIONAL EXPERIENCE

### Edtech Intern

Internee

04/2025 – 05/2025

### Green Innovation Challenge

Member of NewYork Academy of Science



## SKILLS

Embedded System Development ● ● ● ● ●

Iot System Development ● ● ● ● ●

Python programming ● ● ● ● ●

C/c++ Programming ● ● ● ● ●

Computer Vision ● ● ● ● ●

Machine Learning ● ● ● ● ●



## INTERESTS

- Programming
- Embedded system development
- Machine Learning
- Computer Visioning with Raspberry Pi



## REFERENCES

**Uwimana Josue**, *Trainer*, ESSA NYARUGUNGA

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**Uwanyirigira Gabriel**, *Lecture*, ULK University

uwanyirigiragabr@gmail.com, 0782399452

**Nsengimana Alphonse**, *Trainer*, ESSA NYARUGUNGA

nsengimanaalphonse@gmail.com, 0781069625

**IRAREBA Arsene**, *Trainer*, ESSA NYARUGUNGA

irarsenal2012@gmail.com, 0785743323



## ADDITION SKILLS

**Web development**

**Cloud Computing**

**Data structuring**

**Computer Maintenance**

**CAD Design**

**PLC programming using Ladder Diagram**