

# Vieira Ntwali Isimbi

## Contact Information

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## About Me

I am a dedicated and passionate software engineering student at Rwanda Coding Academy. My expertise includes programming, MERN stack development, and embedded systems. I have a strong background in artificial intelligence, cybersecurity, networking, and design tools like Blender and Figma. I thrive on solving complex problems, collaborating with teams, and continuously improving my skills as a developer. My ultimate goal is to create innovative solutions that address real-world challenges.

## Skills

- **Programming:** Proficient in multiple programming languages and frameworks, including JavaScript, Python, Java, and C.
- **Public Speaking:** Experienced in presenting technical concepts to diverse audiences.
- **Problem Solving:** Adept at analyzing and resolving complex technical issues.
- **Creativity and Innovation:** Skilled in designing user-friendly applications and systems.
- **Communication:** Strong ability to convey technical information clearly and effectively.
- **Negotiation:** Capable of reaching mutually beneficial solutions in team environments.
- **Leadership:** Experienced in guiding teams to achieve project goals.

## Education

### *High School*

#### **Rwanda Coding Academy**

**Specialization:** Software Programming and Embedded Systems

**Years Attended:** 2023 - Now(Expected to graduate in 2026)

At Rwanda Coding Academy, I gained hands-on experience in programming languages, full-stack development, and networking. Practical projects and teamwork shaped my technical expertise and fueled my passion for innovation.

## ***O'level***

### **Kagarama Secondary School**

**Years Attended:** 2020- 2023

At Kagarama Secondary School, I gained experience in basic science and Maths skills by learning subjects including Maths, Biology, Chemistry, Geography, Entrepreneurship and Physics.

## ***Primary Education***

### **St. Vincent Pallotti Masaka**

**Years Attended:** 2014 - 2019

During my primary education, I developed a strong academic foundation and essential skills in critical thinking, communication, and collaboration. This period ignited my enthusiasm for problem-solving and continuous learning.

# **Work Experience**

# **Projects**

These are a few of the important projects I made.

## **SMARTEN**

A sustainability-focused project designed to detect leaks in water supply channels. This system aids utility organizations in monitoring water usage and preventing resource wastage, addressing critical water sustainability issues in Africa. This project also connects IoT and Software development by allowing user to control their water systems via web apps and phone.

Link “

🌐 [GitHub - viera-klgwn/Smarten-Team: Real time water flow tracking system with leakage d...](#)  
”

## **TASK-SYNC**

A project-management focused system that helps teams and team leaders to create, organize and communicate their project-related tasks. It gives them an organized web experience that helps them to track their progress and communicate on better ways to leverage all tasks. It

uses nextjs for the frontend and springboot for backend with spring security enabled for authentication and authorization of users.”

🌐 [GitHub - vieira-klgwn/TaskSync-V2](#): This is a springboot app that teams with projects can ...”

## WEB-BASED-LIGHT-SCHEDULER

This is an IoT based application that helps users control their lights remotely, using a web app. It combines arduino , python backend as well as a simple html frontend.

Link “

🌐 [GitHub - vieira-klgwn/Embedded-Sysetms-Web-Based-Light-Scheduler](#): Control when yo...”

## HOSPITAL-MANAGEMENT-SYSTEM

This is a still-in-development project, with backend done and frontend still in progress. It is a system that allows health componies like hospitals to manage patients, appointments and doctors, with a focus to end paper based management to a seamless digital experience.

Link”

🌐 [GitHub - vieira-klgwn/Springboot-HospitalManagementSystem](#): A hospital Management s...”

# Honors

- Silver Medal in National Cyberlimpics competitions 2024(Won numerous CTF challenges in cyber security)
- Finalist in the Queen’s Essay Competitions(CHOGM).
- Awarded by the Rwanda Writers Federation as the best writer and reader in Kicukiro District.

# Certifications

- **Cyberlimpics silver position Certificate**

Our team participated in a first Rwandan Cyber competition - Cyberlimpics, and won the silver position certificate.

- **ThinkCyber cyber skills certificate**

By enrolling in Israel's ThinkCyber training, I got numerous certificates confirming my expertise and practical knowledge in various cyber skills like Python , Network Research, Penetration Testing and Linux.

- **Youth Code Camp WebDev Competitions certificate**

I participated in Youth Code Camp Competitions 2024, which was aimed at engaging high school students in making impactful and next generation webapps. I won the fourth position in Rwanda and got a finalist certificate.

- **Rwanda Writers Federation exceptional writer certificate**

I participated in Rwanda Writing Federation Competitions 2023 and became one of the top writers , particularly the first in Kicukiro and the Fourth in Kigali. I got a finalist Certificate.

- **Queen Elizabeth 's competition finalist certificate**

I participated in the Queen's essay competitions 2022 and became a finalist , awarded a certificate by the Royal office for my creative masterpiece.

## Extracurricular Activities

- Swimming
- Writing
- Traditional Dancing
- Chess Playing

## Languages

- English: Fluent
- French: Fluent
- Kinyarwanda: Native
- Kiswahili: Basics

## References

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**I hereby declare that the information given above and in this document is true to the best of my knowledge and belief and nothing has been concealed therein**