

# DIMITRI KWIHANGANA

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## SUMMARY

I am a web developer with expertise in dynamic website development, particularly focused on frontend and UX design. Although I have a vested interest in machine learning and its application in Artificial Intelligence, my primary passion lies in crafting engaging user interfaces and ensuring seamless user experiences. With years of experience managing teams and projects, I possess strong leadership skills and a strategic mindset, allowing me to solve complex problems in a timely and effective manner.

## EDUCATIONAL BACKGROUND

**African Leadership University** – Kigali, Rwanda **September, 2022- February,2026**  
BSE (Hons) Software Engineering Relevant Coursework: UX/UI Research & Design, Front-end Development,Back-end Development, Project Management, Python, SQL Databases, machine learning, Computing Research.

## PROFESSIONAL WORK EXPERIENCE

**Full stack engineer,** **Vanguard Economics** – Kigali, Rwanda **July, 2023 – present**

- I'm currently building a databank for the institution that helps it visualise the secondary data from different surveys that make easily for the user to download, extract, make favourable queries from themselves to soften the data analysis work.
- I support data analytics team by analysing micro and macro data in terms of quantitative data analysis for different projects

**Engineering Intern, Remote** **Ironji ltd** (Logistics company) – Kigali, Rwanda **March, 2023 – June,2023**

- Designed and implemented a cutting-edge algorithm that sorts through cargo delivery addresses to provide convenient routes to drivers, and cut fuel usage by 30%.
- Developed and implemented a novel "Proximity Analytics" algorithm to identify close approach patterns in software systems, resulting in a 25% improvement in system performance

**Mobile developer** **KLab Startups** – Kigali, Rwanda **December, 2022 – March, 2023**

- Built a mobile app that enables 14 837 village leaders to manage their citizens and coordinate community activities.
- Designed and built a movie trailer mobile app that interfaces with an API to access 10000+ films grouped into different categories.
- Built the authentication backend platform that enables the user to access the mobile app according to the title given by the authorities.
- Built RESTFUL APIs that served data to the javascript front-end based on dynamically chosen user inputs.

## EXTRACURRICULAR ACTIVITIES

**Google developer,** African Leadership University **September, 2022 – Present**  
Contributes on real life problems with modern technology like MERN stack, participating in hackathons planed by either Google or other institution.

## SKILLS

<ul style="list-style-type: none"><li>• Javascript</li><li>• Python</li><li>• R</li><li>• React Native</li></ul>	<ul style="list-style-type: none"><li>• UI/UX designs</li><li>• MongoDB</li><li>• MySQL</li><li>• ReactJs</li></ul>	<ul style="list-style-type: none"><li>• Nodejs</li><li>• Express</li><li>• Django</li><li>• Project Management</li></ul>
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## INTERESTS

<ul style="list-style-type: none"><li>• Full Stack Development</li><li>• Education in Africa</li></ul>	<ul style="list-style-type: none"><li>• Machine Learning</li><li>• Internent of things</li></ul>
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## LANGUAGES

<ul style="list-style-type: none"><li>• English - Native</li></ul>	<ul style="list-style-type: none"><li>• Kinyarwanda- Nativet</li></ul>	<ul style="list-style-type: none"><li>• French</li></ul>
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