Nadia Iradukunda Hirwa
+250781186230 • irahirnad22@gmail.com • Kigali, Rwanda

EXPERIENCE

STES Group   **Kigali, Rwanda**
IoT Intern   *Jan 2023 – June 2023*

- Contributed to the Urwuri Tech project by developing IoT-based livestock monitoring solutions focused on cows.
- Designed and tested sensor-based systems for tracking temperature and activity.
- Managed and created content for social media accounts to improve engagement.
- Collaborated with the marketing team to align digital strategies with business goals.
- Utilized analytics tools to monitor engagement and optimize online visibility.

IEE   **Kigali, Rwanda**
Teaching Assistant   *Nov 2020 – June 2021*

- Taught Physics and Mathematics – Provided instruction to Senior Two and Senior Five students in both subjects.
- Fostered Academic Growth – Helped students improve their performance and confidence in scientific subjects through supportive and effective teaching methods.
- Enhanced Concept Understanding – Focused on making core scientific concepts clear and relatable, enabling students to grasp and apply them in real-life and exam contexts.

kLab   **Kigali, Rwanda**
Data Analyst Intern   *Dec 2024 – Present*

- Contributed to the Urwuri Tech project by developing IoT-based livestock monitoring solutions focused on cows.
- Participated in an intensive data analysis and Python training program focused on practical, real–world projects.
- Gained hands–on experience in tools such as **Excel, Power BI, Python, and SQL**, working on weekly mini–projects and exercises
- Worked in a collaborative, agile learning environment with mentorship sessions and peer feedback.
- Practiced version control with Git and applied problem–solving to debug and improve data workflows.

EDUCATION

University of Rwanda   *Kigali, Rwanda*
Bachelor of Science in Computer and Software Engineering   *2026*

- Courses: Embedded Systems, IoT, Web Development, Mobile Development, Data Analytics
- GPA 3.2

AWARDS AND HONORS (OR ACHIEVEMENTS)

kLab   *Kigali, Rwanda*
Awarded **Data Analyst Certificate** (2024–2025) after completing the TekHer Program, gaining hands-on skills in Excel, Power BI, SQL, Python, and APIs

STES Group   *Kigali, Rwanda*
Received the **Embedded Systems Certificate** (2023) for hands-on IoT training and work on the Urwuri Tech project.

CMU (Bridge Program)   *Kigali, Rwanda*
Awarded **Embedded Systems Certificate** for developing an air pollution detector using embedded systems.

IEE (NGO)   *Kigali, Rwanda*
Earned the **Teaching Skills Certificate** (2021–2022) for delivering Math/Physics training to
Students in the underserved community

Power Learn Project (PLP)   *Kigali, Rwanda*
Awarded the Software Development certificate (2024) after building a full-stack expense tracker
using Django and Node.js

SKILLS

- Programming Languages: Python, Java, JavaScript, Dart, PHP, SQL, C
- Frameworks & Tools: React, React Native, Flutter, Django, Node.js, Laravel, Firebase, Arduino
- Data Tools: Excel, Power BI, Jupyter Notebook, Pandas, Plotly, Matplotlib
- Databases: MongoDB, PostgreSQL, MySQL
- Other Tools: Git, REST APIs, Agile Development, Looker Studio
- UI/UX Tools: Figma, Canva
- Languages: Kinyarwanda (Native), English

References

- Ngenzi Alexandre: Head of department in Computer Engineering, University of Rwanda
  - Tel: +250788777992   Email: yngenzi37@gmail.com

- NDAYISABA Wilson: Head of Technical Department, STES Group
  - Tel: +250783115120   Email: info@stesgroup.rw

- Paul Ssai MUGERWA: TAP Coordinator, IEE NGO
  - Tel: +250783397709   Email: pmugerwa@iee.rw

I, IRADUKUNDA HIRWA Nadia, do declare that the above information is true to the best of my knowledge.