SIMON PIERRE NDIZIHIWE

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✨ Graduate Student

SUMMARY

I am an MSIT student specializing in Applied Machine Learning and Data Science. I am an experienced software developer with a strong background in machine learning and teaching. I am passionate about mentoring and delivering solutions using Software Development and Data Science.

EXPERIENCE

08/2025 - Current
Kigali, Rwanda

● Graduate Teaching Assistant
Carnegie Mellon University Africa

- Assisted in teaching and mentoring students in Machine Learning, Data Science, and Statistical Inference.
- Led recitation sessions and provided one-on-one support to students struggling with machine learning concepts.
- Designed and graded assignments, quizzes, and projects, ensuring students grasped key ML techniques.
- Provided guidance on implementing ML models using Python, TensorFlow, PyTorch, and Scikit-learn.
- Helped improve the course structure and materials, making them more accessible to students.
- Collaborated with faculty to enhance students' learning experience through interactive projects and case studies.

05/2024 - 08/2024
Kigali, Rwanda

● Software Developer
Punda Group Ltd

PUNDA Group Ltd is an all-in-one facilities improvement platform dedicated to simplifying and streamlining the construction, installation, repair, and maintenance process for homeowners, hospitality businesses, real estate developers, and construction businesses.

- Developed and designed the Izitini Mobile App.
- Implemented and integrated RESTful APIs for the mobile application.
- Deployed the Izitini App to the Play Store, ensuring smooth operation and user experience.

SKILLS

Technical

C/C++	Python	Dart	UI/UX
FastAPI	Django	Flutter	Figma

Soft

Communication	Adaptability	Collaboration
Teamwork	Critical Thinking	

EDUCATION

08/2023 - 05/2025
Kigali, Rwanda

● Master of Science in Information Technology
Carnegie Mellon University Africa

09/2019 - 12/2023
Kigali, Rwanda

● Bachelor of Science in Information Technology
University of Rwanda

PROJECTS

Hellomed Telemedecine Mobile App
📅 08/2022 - 07/2023 📍 Hellomed Rwanda

Hellomed is a telemedicine startup operating in Rwanda with aim of reducing unnecessary movement and expenses made by patients to visit clinics and brought a solution of tele consultation using a mobile application.

- Designed the mobile prototype using Figma.
- Developed API for mobile app integration using Django - Python.
- Learned new technologies in short period of time.
- Deployment experience with Play Store.

ACHIEVEMENTS

✨ **Hold Principal's Roll of Honor for the outstanding academic performance in the 2021- 2022 from University of Rwanda College of Science and Technology.**