

✉ nlambert833@gmail.com

☎ (+250) 790 311 401

📍 Nyamirambo, Kigali, Rwanda

🌐 LinkedIn Profile

🐦 @LambertZar

🔗 GitHub Portfolio



PROFILE: NDACYAYISABA LAMBERT

Creative and analytical applied mathematician and software engineer with a passion for building impactful technology in autonomy, machine learning, and social innovation. Experienced in developing end-to-end tools and platforms using Python, PHP, and modern web technologies. Deeply interested in the intersection of robotics, AI, and accessibility. Proven ability to lead projects that bridge community needs and advanced technology from AI modeling to e-learning and smart systems.



PROFESSIONAL EXPERIENCE & LEADERSHIP

Co-Founder & Developer – Homelink Services

2024 – Present

Digital Platform for Domestic Worker Services

- Designed and built a platform connecting households with trained, trusted domestic workers
- Focused on digitizing the informal sector to enhance job dignity and service transparency
- Implemented user roles, background checks, and basic booking functionality using PHP and MySQL
- Currently conducting community feedback and pilot testing before public launch

Technologies: PHP, HTML, CSS, JavaScript, MySQL

Innovation Grant Recipient – HATANA Bootcamp

January 2025

Homelink Services Pitch & Prototype

- Won a \$5,000 innovation grant at HATANA Bootcamp by University of Rwanda and Mastercard Foundation
- Developed business plan, MVP demo, and pitch deck with a focus on social impact
- Collaborated with peers to refine platform based on mentorship and market research insights

Focus: Entrepreneurship, Social Innovation, EdTech

Youth Facilitator – NDABAGA Impact NGO

2021 – 2022

Capacity Building & Community Empowerment

- Facilitated workshops focused on life skills, leadership, and digital literacy awareness
- Contributed to training programs aimed at empowering youth through civic engagement and personal development
- Supported outreach initiatives to build confidence and career readiness among vulnerable communities
- Collaborated with NGOs and educators to create inclusive learning environments

Focus: Capacity Building, Youth Empowerment, Digital Awareness

Web Developer – Nhonest Supermarket

2024

Supermarket E-commerce Website

- Designed and developed a functional e-commerce website for Nhonest Supermarket
- Built core features including product catalog, user authentication, shopping cart, and order processing
- Ensured a responsive design with clean UI for both desktop and mobile users
- Integrated admin dashboard for managing stock, products, and customer orders
- **Live Site:** nhonestsupermarket.com

Technologies: mongodb atlas, cpanel hosting, HTML, CSS, JavaScript

EDUCATION

Bachelor of Science in Applied Mathematics

University of Rwanda – College of Science & Technology

Expected Graduation: 2025

Advanced Certificate (A-Level)

Mathematics, Physics, Chemistry

Petit Séminaire de Rwesero

2014 – 2021

Distinction

TECHNICAL SKILL

AI/ML & Analytics:

TensorFlow PyTorch Scikit-learn

Pandas NumPy PowerBI

Programming Languages:

Python JavaScript Java LATEX

PHP SQL MATLAB android studio

Web & Mobile:

React Node.js Next.js

HTML5/CSS3 Bootstrap

Cloud & DevOps:

AWS Git Docker

Metadata & Open Data:

JSON Schema Metadata Structuring CKAN

JKAN

LANGUAGES

English: Native Proficiency
Business, Technical, Academic

French: Professional Working
listening, Written

Kinyarwanda: Native Speaker
Cultural fluency

CORE COMPETENCIES

Leadership & Strategy

Team building, project management, innovation

Problem Solving

Critical thinking, analytical reasoning

Communication

Technical writing, presentations, mentoring

Adaptability

Continuous learning, technology adoption

FEATURED PROJECTS & INNOVATIONS

Homelink Services Platform

Developed a digital platform connecting households with trusted domestic workers, focusing on safety, dignity, and job accessibility. Winner of the \$5,000 innovation grant from HATANA Bootcamp by the University of Rwanda and Mastercard Foundation.

PHP, MySQL, HTML, CSS, Business Model Design

Mathematical Modeling of Monkeypox in Rwanda

Developed a predictive model to simulate the spread and control of Monkeypox using real epidemiological data. Applied mathematical modeling techniques to support public health planning and response strategies.

Mathematical Modeling, Python, Differential Equations, Data Analysis

Lotka - Volterra Interactive Simulator

Created web-based mathematical modeling tool for predator-prey dynamics, used by 500+ students worldwide.

Python, Dash, Plotly, Mathematical Modeling

Stock Management System

Developed a robust inventory and sales management platform tailored for SMEs, featuring real-time tracking, user access control, and automated reporting.

PHP, Laravel, XAMPP, MySQL



CERTIFICATIONS & RECOGNITION

- **2025** HATANA Innovation Grant Winner – \$5,000 Award
- **2024** Millennium Fellowship – Global Leadership
- **2024** Data+ Rwanda Certification – [View](#)
- **2024** ALX Founder Certificate – Startup Entrepreneurship Program
- **2024** Aguka Ideation Programme Certificate – Tony Elumelu Foundation, UNDP & MINICYOUTH
- **2024** Campus Ambassador – Liquid Trees Project
- **2024** AI Career Essentials – Virtual Assistant Certification



INTERESTS & PERSONAL DEVELOPMENT

- 🏠 Emerging AI Technologies
- 📈 Financial Markets & Analytics
- 🏋️ Fitness & Wellness
- 📖 Science Fiction & Philosophy
- 👥 Community Building
- 🌐 Cultural Exchange
- 📷 Photography & Digital Art
- 🎵 Music Production
- 🏔️ Adventure & Travel

Available for immediate opportunities • References provided upon request

Portfolio: github.com/Lambert-01 | Email: nlambert833@gmail.com

This document represents my professional qualifications and experience accurately as of August 7, 2025.

NDACYAYISABA Lambert
AI Specialist & Applied Mathematician