Humphrey Nyahoja

Kigali, Rwanda | +250792104932
humphrey.nyahoja02@gmail.com | LinkedIn | GitHub | PersonalWebsite

EDUCATIONAL BACKGROUND

African Leadership University – Kigali, Rwanda **January 2023 - 2026**
BSc Software Engineering

Coursework: Leadership, Data Structures, Algorithms and Analysis, Enterprise Web Development, Data Science, Data Analytics, Android Development with Dart, Mathematics for Machine Learning, Machine Learning Pipeline, Machine Learning Techniques 1 & 2

PROFESSIONAL WORK EXPERIENCE

Society for Family Health | Rwanda, **Business Development Intern** **February 2026 – May 2026**

- Collaborated with the business development team to enhance service delivery in Rwanda.
- Assisted in proposal writing and brainstorming innovative solutions for health post employees.
- Engaged with local stakeholders to identify areas for improvement in health services.

Data Science Nigeria | Remote, Nigeria, **Software Engineering Intern** **July 2025 – September 2025**

- Scraped and curated 20 + multilingual web pages from Southern Africa, ensuring 95%+ accuracy in text formatting for language model training.
- Annotated and organised 1000+ voice, text, and image samples, improving dataset quality for ML applications.
- Co-developed a Telegram bot that increased data collection efficiency by 40%, streamlining structured data gathering across multiple channels.

Acre Insights | Nairobi, Kenya, **Software Engineering Extern** **May 2025 – June 2025**

- Analysed and validated 2,000+ drone-captured geospatial images, achieving 83 % precision in identifying crop stress signals.

- Assisted in building AI-powered analytics dashboards that improved early crop issue detection by 30%, directly supporting yield optimisation.
- Reviewed and quality-checked annotated imagery, reducing inconsistencies by 15% in ML training dataset.

HealthStack | Remote, Nigeria, **Software Engineering Intern** **May 2024 – September 2024**

- Engineered 10+ RESTful API endpoints using Feathers.js and TypeScript, enabling seamless exchange of health records across microservices.
- Integrated backend services with frontend components, improving platform performance by 25% and ensuring accurate data flow.
- Authored pages of documentation on system workflows and data pipelines, enhancing cross-team efficiency and maintainability.

EXTRACURRICULAR AND VOLUNTEERING ACTIVITIES

ALU Pan-African Society **August 2023 - Present**

- Founding Member, Pan-African Society at African Leadership University
- Helped establish a student-led initiative bringing together students from multiple African countries to discuss governance, policy reform, and African-centred development solutions
- Contributed to shaping the society's direction, programming, and early community building efforts

International AIDS Society Volunteer **July 2025**

- Supported organisers, delegates and esteemed guests of the IAS 2025 conference, ensuring a seamless conference
- Played an active role in enhancing participant experience through on-the-ground support and event facilitation

Aspire Leaders Program **March 2026**

- Selected participant in the Aspire Leaders Program, focused on leadership development and global impact thinking
- Engaged in structured leadership training and applied learning experiences centred on problem-solving, self-awareness, and social impact

Jim Leech, Mastercard Foundation Entrepreneurship Program, **January 2023 - May 2023**

- Completed an entrepreneurship development program focused on venture creation and innovation in emerging markets
- Co-developed SPACS Africa, a platform aimed at improving access to safety equipment for informal sector workers
- Applied design thinking and systems thinking approaches to identify user needs and shape solution development
- Collaborated in a diverse team environment, contributing to idea development, iteration, and execution strategy

SKILLS

- Python programming
- Team building
- Kaggle
- Cross-Cultural Communication
- Adaptability
- C programming
- Working well under pressure
- Diverse teamwork
- Leadership
- Problem Solving