

# Lwesi Kusijili Nkandu

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## PROFESSIONAL PROFILE

Data Science and AI Governance professional with 5+ years of experience leading data-driven initiatives across public sector, conservation, and humanitarian environments. Specializes in building high-integrity data pipelines, data quality frameworks, and AI-ready data ecosystems.

Strong expertise in data cleaning, validation, and transformation at scale, ensuring reliability of machine learning systems in complex, low-quality data environments. Proven ability to bridge gaps between broken legacy systems, fragmented data, and emerging AI capabilities.

Currently focused on AI governance, data governance, and responsible AI deployment, with experience aligning analytics solutions to operational, regulatory, and risk management requirements.

## PROFESSIONAL EXPERIENCE

### Senior Data Analyst – Continuous Monitoring & AI Enablement

**ZESCO Limited** | *1 year 8 months*

- Develop and deploy predictive models for risk detection, leveraging structured and semi-structured data from fragmented systems.
- Spearhead data cleaning and transformation pipelines, improving data usability for audit analytics.
- Identify and remediate data integrity issues across legacy audit systems, enabling more reliable reporting and decision-making.
- Build automated monitoring solutions (RPA & analytics) to continuously assess anomalies, fraud risks, and control weaknesses.
- Developed the Continuous monitoring Framework for the directorate.
- Support Compliance teams create dynamic monitoring systems.

### Data Analyst – Supply Chain Systems & Analytics

**World Food Programme (WFP)** | *3 years 7 months*

- Designed and implemented data processing workflows to integrate data across multiple supply chain systems.
- Led data cleaning and validation efforts to improve accuracy of forecasting and operational analytics.
- Supported development of decision-support tools and predictive models for supply chain optimization.
- Worked at the intersection of data, systems, and operations, translating business challenges into analytical solutions.
- Contributed to system improvements by identifying data gaps, inconsistencies, and governance weaknesses.
- Delivered interim solution for global supplier onboarding process.
- Contributed to the traceability of commodities project.
- Support Data Analytics training in Afghanistan, Pakistan, Kenya, Zimbabwe and DRC

## **Associate – Data Analytics & Automation**

**PwC** | *7 months*

- Automated audit and billing monitoring processes using analytics tools.
- Delivered training on data analytics platforms and audit tools.
- Supported development of data-driven audit procedures, emphasizing data accuracy and completeness.

## **Intern – Data Analytics**

**African Parks** | *6 months*

- Created a model to predict fish demand across the Bangweulu Wetlands
- Developed the strategy document on how machine learning can be incorporated to mitigate Human-Elephant conflict.

## **EDUCATION & PROFESSIONAL DEVELOPMENT**

- CDMP (Certified Data Management Professional) – In Progress
- AI Governance Professional Certification – In Progress
- ZCAS University - PhD Computing and Data Science - In Progress
- University of Stirling - MsC Data Science for Business - 2019
- University of Essex - BsC Economics - 2017

## **TOOLS & TECHNOLOGIES**

- Python (Pandas, Scikit-learn)
- SQL
- Excel (Advanced)
- ACL (Audit Command Language)
- Power BI / Tableau
- RPA Tools (where applicable)