

EDWARD CHISALA

ICT4D Specialist • Digital Governance Researcher • AI & Climate Resilience
Windhoek, Namibia | +264 81 280 7120 | chisalaedward@gmail.com | linkedin.com/in/edward-chisala-jr-51b527177

PROFESSIONAL SUMMARY

ICT4D specialist with a track record across digital systems development, health data, cybersecurity research, and digital governance in Sub-Saharan Africa. Currently a Junior Lecturer in Computer Science at Namibia University of Science and Technology (NUST) and an AI for Climate Resilience Fellow at the Africa Research and Impact Network (ARIN), with a PhD in progress focusing on internet security frameworks for the region.

CORE COMPETENCIES

- Digital Systems for Development
- Cybersecurity & Digital Governance
- Data Pipelines & Dashboards
- AI & Climate Resilience Research
- Research & Policy Analysis
- UI/UX & Web Development

PROFESSIONAL EXPERIENCE

Namibia University of Science and Technology (NUST)

Jan 2026 – Present

Junior Computer Science Lecturer • Windhoek, Namibia

- Deliver undergraduate teaching in Computer Science and Informatics, supervise student research, and contribute to curriculum development.
- Conduct PhD research on digital security frameworks for Sub-Saharan Africa while supporting academic publications and departmental activities.
- Mentored undergraduate CS students on applied research projects, improving research output and digital skill development.

Coalition of Manitoba Cultural Communities for Families (CMCCF)

Jan 2025 – Dec 2025

UI/UX Designer and Researcher (Remote) • Winnipeg, Canada

- Developed and maintained the organisation's website, improving accessibility, mobile responsiveness, and content management for an organisation serving 20+ minority cultural communities.
- Conducted usability audits and implemented design improvements to navigation structure and user experience.

United Nations Volunteers (UNV) – Global Centre for Risk and Innovation (GCRI)

Jan 2025 – Mar 2025

Remote Data Researcher • Toronto, Canada (Remote)

- Coordinated a cross-functional research team developing AI-powered climate resilience models to support predictive analysis of climate change patterns.
- Contributed to research outputs aligned with sustainable development frameworks and responsible AI governance.

African Development Bank (AfDB)

Aug 2023 – Jan 2024

Software Developer Intern (Remote) • Abidjan, Cote d'Ivoire

- Designed and tested AI-powered CV ranking and employment-matching systems to support inclusive job market access across Africa.
- Deployed CI/CD pipelines and integrated secure coding practices aligned with the AfDB High 5s and the SDGs.

UNESCO Chair – Namibia University of Science and Technology

Mar 2022 – Oct 2024

Digital Technologies Researcher • Windhoek, Namibia

- Led the development and deployment of a mobile application addressing social media cyberviolence, from research design through to field implementation.
- Organised workshops on digital safety and internet security for community organisations and NGOs across Namibia.
- Delivered policy-relevant research insights to government stakeholders and civil society on technology-facilitated gender-based violence.

World Vision International

Jul 2021 – Jan 2022

Data Processing Specialist Intern • Lilongwe, Malawi

- Processed and analysed malaria eradication data from over 50,000 field surveys, building data pipelines and reporting dashboards for programme decision-makers.
- Produced actionable insights that informed health policy decisions and field operations across Southern Malawi.

Standard Bank Malawi

May 2019 – May 2020

Digital Banking Consultant Trainee • Lilongwe, Malawi

- Supported digital banking adoption through client training, KYC compliance optimisation, and risk assessment processes across multiple branches.
- Contributed to account enrolment campaigns and customer engagement initiatives for digital banking products.

Difference Construction Malawi

Jan 2014 – Jan 2018

ICT Support Officer (Part-Time) • Lilongwe, Malawi

- Maintained IT systems, conducted vulnerability assessments, and delivered staff training on IT security protocols and systems usage.
- Reduced system downtime through proactive maintenance schedules and improved user adoption of technology tools.

FELLOWSHIP & AWARDS

Africa Research and Impact Network (ARIN)

Feb 2026 – Present

AI for Climate Resilience Research Fellow • Africa

- Contributing to AI-driven climate risk analysis and decision-support research across African development contexts.
- Engaging in structured mentorship and collaborative research within ethical governance and responsible AI frameworks.

VOLUNTARY & COMMUNITY WORK

APO (African Press Organisation)

Mar 2026 – May 2026

Website Developer and Designer (Part-Time) • Remote

- Redesigned and maintained the SECAM (Symposium of Episcopal Conferences of Africa and Madagascar) website, implementing technical SEO, accessibility improvements, and structured documentation.

PrepMe

Aug 2025 – Present

Cambridge IGCSE ICT Tutor (Part-Time, Remote) • Remote

- Tutoring secondary school students in Cambridge IGCSE ICT and English, supporting exam preparation and academic skill development.

SADC Groundwater Management Young Professional • Southern African Development Community • 2024

- Participated in the SADC Young Professionals Programme promoting sustainable groundwater management across the region.

EDUCATION

PhD Candidate, Computer Science

In Progress

Namibia University of Science and Technology (NUST)

- Research: Developing Digital Frameworks for Internet Security in Sub-Saharan Africa
- Planned International Exchange: Universidad Carlos III de Madrid

MSc Informatics by Research

Oct 2024

Namibia University of Science and Technology (NUST)

- Thesis: Developing a Mobile Application to Spread Awareness of Social Media Cyberviolence

BSc Business Information Technology

Jul 2019

University of Greenwich, UK

Advanced Diploma & Diploma in Computing (NCC Education)

Jul 2017

National College of Information Technology (NACIT)

PROFESSIONAL CERTIFICATIONS

McKinsey & Company Forward Programme • Google UX Design Certificate • Accenture Project Management

PUBLICATIONS

- **Social Media Gender-Based Violence: Definition, Classification and Taxonomy from a Systematic Review** — Journal Article, 2024
- **Technologies for Tackling Social Media Violence: A Review of the Literature** — 2nd International Conference on Information Systems and Emerging Technologies, 2024

REFERENCES

Dr. Gabriel Nhinda
Senior Lecturer
Namibia University of Science
and Technology (NUST)
gnhinda@nust.na

Mr. Leo Maruwas
Chief Information Officer
Access Bank Namibia
Maruwas@accessbank.na

Miss. Michelle Scott
Chief of Staff
APO Group
Michelle.Scott@apo-opa.com