YAQUB ABDULLAHI

Independent Researcher | AI Governance & ICT4D Specialist

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PROFESSIONAL SUMMARY

Independent researcher and Computer Science graduate specializing in AI accountability, digital peacebuilding, and ICT4D, with 8+ years of cross-sectoral experience spanning fintech, IT consultancy, and field data collection. Author of 8 research papers and developer of 7 AI-driven prototypes. Currently serving as Team Lead at Moniepoint and Secretary for RAYAAS Zamfara.

PROFESSIONAL EXPERIENCE

Team Lead
Feb 2025 – Present

TeamApt Limited (Moniepoint), Nigeria

- Monitor team performance metrics and operational targets.
- Provide technical guidance and administrative support to team members.
- Create performance reports and identify patterns for coaching.

Personal Relationship Manager
Jul 2024 – Feb 2025

TeamApt Limited (Moniepoint), Nigeria

- Served as first point of contact for agents seeking assistance.
- Provided front-line support for transaction and system inquiries.
- Used data to inform coaching decisions and improve customer service.

Director & IT Consultant
Jan 2018 – Present

M. Copper IT Solution & Consultancy Services, Nigeria

- Troubleshoot and resolve hardware, software, and network issues for clients.
- Analyze client technology needs through consultation and diagnostic assessment.
- Maintain ICT asset inventory and technical documentation.

Data Collection Specialist
Jul 2023 – Dec 2023

NPC / UNICEF, Nigeria

- Collected and verified 5,000+ data points with 98% accuracy.
- Supported digital data collection tools and quality protocols.
- Identified and resolved data inconsistencies in the field.

RESEARCH EXPERIENCE

Independent Researcher — AI Governance & ICT4D
2024 – Present

Zamfara State, Nigeria

- Designed and developed 7 AI-driven governance and development platforms, leading research design, system architecture, and stakeholder engagement.
- Secured 3 conference paper acceptances (FUGUS 2026, UNILORIN 2026) and 1 preliminary journal acceptance.

JusticeTrack AI — AI Accountability for Correctional Reform
2026

- Designed AI system for automated detention deadline monitoring aligned with ACJA 2015.
- Created a RED BUTTON Emergency Intervention System integrating NHRC, LACON, and NCoS.
- Status: Manuscript in preparation.

VeriVote Nigeria — AI for Independent Election Verification
2026

- Led technical design for offline-first election verification platform integrating OCR, cross-level reconciliation, and misinformation triage.
- Designed NDPA 2023-compliant architecture with human-in-the-loop safeguards.
- Status: Prototype under development; AIDF application submitted.

CMDRS — Community Monitoring and Digital Reporting Systems
2026

- Developed digital peacebuilding framework for community security in Zamfara State.
- Integrated SLA accountability, Red Button escalation, and human rights oversight.
- Status: Accepted at FUGUS Zamfara @ 30 Conference (2026).

CROSSWATCH AI — Border Situational Awareness Framework
2026

- Designed cross-source event fusion framework using CMBEF methodology with formal verification.
- Integrated NDPA 2023, ISO/IEC 27001, and NIST CSF compliance.
- Status: Research architecture complete; prototype under development.

AgriChain-NG — Multimodal Agricultural Early Warning System
2026

- Designed framework integrating Sentinel-2 satellite data, market analytics, and spatial vulnerability assessment.
- Developed formal ablation protocol with temporal-lock specification.
- Status: Pre-registered study.

IdentityShield AI — Detection of Multiple Identity Registrations
2025 – 2026

- Developed nine-pillar AI governance framework for curbing multiple NIN and BVN registrations.
- Conducted qualitative research with 43 participants across six states.
- Status: Selected for exhibition at NITDA ICSC 2026; manuscript in preparation.

EnvistaAI — Satellite-Based Detection of Illegal Mining
2025 – 2026

- Designed AI framework using Sentinel-1, Sentinel-2, and Landsat imagery with Random Forest, U-Net, and LSTM.
- Integrated security incident correlation using ACLED data.
- Status: Paper accepted at FUGUS Zamfara @ 30 Conference (2026).

PUBLICATIONS & CONFERENCE PAPERS

Abdullahi, Y. (2026). Satellite-Based Detection of Illegal Mining and Environmental Degradation in Zamfara State: A 30-Year Analysis (1996–Present). *FUGUS Zamfara @ 30 Conference.* — ACCEPTED

Abdullahi, Y. (2026). CMDRS: A Digital Governance Framework for Community Security, Accountability, and Sustainable Development. *FUGUS Zamfara @ 30 Conference.* — ACCEPTED

Abdullahi, Y. (2026). Offline AI-Assisted Mobile Learning for Displaced Out-of-School Children in Northwest Nigeria. *UNILORIN Conference.* — ACCEPTED

Abdullahi, Y. (2026). AI-Powered Detection of Mining-Related Land Disturbance: A Deep Learning Framework. *MIRG-ICAIR 2026, UNILAG.* — UNDER REVIEW

Abdullahi, Y. (2026). Digital Accountability Architecture for Community Security Governance. *Under revision following peer review.* — UNDER REVISION

Abdullahi, Y. (2026). Use of Artificial Intelligence in Curbing Multiple Identity Registrations in Nigeria. *Target: NDPC Journal.* — IN PREPARATION

Abdullahi, Y. (2026). JusticeTrack AI: AI Accountability Mechanisms in Reducing Overcrowding in Nigerian Correctional Facilities. — IN PREPARATION

EDUCATION

B.Sc. Computer Science

Graduated: October 2023

Federal University Gusau, Zamfara State, Nigeria

- Second Class Lower Division.
- Relevant Coursework: Artificial Intelligence, Data Mining, Database Systems, Data Structures, Statistics for Computing.

SELECTED ACHIEVEMENTS

- NITDA ICSC 2026 — IdentityShield AI selected for exhibition
- 2 papers accepted at FUGUS Conference
- Paper submitted to MIRG-ICAIR 2026 (UNILAG)
- Preliminary acceptance — Addis Ababa Journal
- Live prototypes: identityshieldai.netlify.app & envistaai.netlify.app
- 5,000+ data points collected (98% accuracy)

SKILLS

Research:	AI Governance, ICT4D, Digital Peacebuilding, Policy Analysis, Qualitative & Quantitative Research, NDPA 2023 Compliance.
Technical:	Python, SQL, JavaScript, Random Forest, U-Net, LSTM, XGBoost, Scikit-learn, TensorFlow.
Data & GIS:	NVivo, SPSS, R, Pandas, NumPy, Power BI, Excel, QGIS, Google Earth Engine, Sentinel-1/2, Landsat.
IT Support:	Hardware & Software Troubleshooting, Network Diagnostics, WordPress, ICT Asset Management.
Project Mgmt:	Stakeholder Engagement, Proposal Writing, Team Leadership, Community Mobilization.
Languages:	English (Professional), Hausa (Native).

PROFESSIONAL AFFILIATION

Secretary — RAYAAS Zamfara **2022 – Present**

- Coordinate community engagement, advocacy, and outreach across Northern Nigeria.
- Liaise with government agencies including Ministry of Education, NCFRMI, and Labour.
- Lead volunteer teams in community projects across Zamfara, Sokoto, Katsina, Kaduna, and Kano.

CERTIFICATIONS

- Disep 5.0 Data Analytics — Stanbic IBTC (2025)
- Cyber Security — Cisco Networking Academy (2024)
- Cyber Security — Halogen Academy (2024)
- Cyber Security — NITDA 3MTT Programme (2024)
- Computer Hardware & Maintenance — Self-Taught Practical Experience

ADDITIONAL INFORMATION

Availability:	Immediate
Relocation:	Willing to relocate/travel
Experience:	Zamfara, Sokoto, Katsina, Kaduna, Kano
References:	Available upon request