# YAQUB ABDULLAHI

Independent Researcher | AI Governance & ICT4D Specialist

Gusau, Zamfara State, Nigeria | +234 706 666 5690 | elyaqub.biz@gmail.com
ORCID: 0009-0008-6194-2049 | abdullahiyaqub.netlify.app | linkedin.com/in/yaqubabdullahi

## 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

**Accepted:**

- **Abdullahi, Y.** (2026). Satellite-Based Detection of Illegal Mining and Environmental Degradation in Zamfara State: A 30-Year Analysis (1996–Present). Accepted, FUGUS Zamfara @ 30 Conference.
- **Abdullahi, Y.** (2026). CMDRS: A Digital Governance Framework for Community Security, Accountability, and Sustainable Development. Accepted, FUGUS Zamfara @ 30 Conference.
- **Abdullahi, Y.** (2026). Offline AI-Assisted Mobile Learning for Displaced Out-of-School Children in Northwest Nigeria. Accepted, UNILORIN Conference.

**Under Review:**

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

**Under Revision (Post Peer Review):**

- **Abdullahi, Y.** (2026). Digital Accountability Architecture for Community Security Governance. Manuscript under revision following peer review.

**In Preparation:**

- **Abdullahi, Y.** (2026). Use of Artificial Intelligence in Curbing Multiple Identity Registrations in Nigeria. Target: NDPC International Journal of Data Privacy & Protection.
- **Abdullahi, Y.** (2026). JusticeTrack AI: AI Accountability Mechanisms in Reducing Overcrowding in Nigerian Correctional Facilities.

## 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.

## 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). |

## ACHIEVEMENTS

- NITDA ICSC 2026: IdentityShield AI selected for exhibition.
- FUGUS Zamfara @ 30 Conference (2026): Two papers accepted for presentation.
- UNILORIN Conference (2026): Paper accepted for presentation.
- Addis Ababa Journal: Preliminary acceptance for Digital Accountability paper.
- Data Collection: 5,000+ data points collected with 98% accuracy.

## 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 |