

FIDEL AGADE ISABOKE

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[LinkedIn](#) | [GitHub](#)

PROFESSIONAL PROFILE:

Informatics and Computer Science graduate from Strathmore University with over 3 years of experience in web development. Experienced in building AI agents using LangChain and deploying full-stack applications. Developed a machine learning-based Network Intrusion Detection System (NIDS) leveraging adversarial training to enhance robustness against evasion attacks.

WORK EXPERIENCE:

Full Stack Developer

Zuri Health · Nairobi, Kenya | **Jan 2026 – Present**

- Resolved more than 15 critical bugs across authentication, responsiveness, and checkout workflows on the Zuri Health Website, improving platform stability.
- Optimised pharmacy checkout flows, increasing checkout completion rates by 25%
- Provided on-site technical support during 4+ medical camps across Kenya, ensuring reliable system performance in real-world healthcare environments.

IT Intern

Zuri Health · Nairobi, Kenya | **Jan 2025 – Apr 2025**

- Developed a Hospital Management System using React, Django, and MongoDB.
- Documented more than 20 REST API endpoints on Postman for the hospital management system.
- Contributed to end-to-end testing of Zuri Health's mobile application, identifying and reporting more than 10 bugs in the user flow, increasing user engagement by 30%.

SKILLS:

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- **Programming Languages:** Python, TypeScript, PHP, SQL, HTML/CSS
 - **Web Development Frameworks:** FastAPI, Next.js, Laravel, TailwindCSS
 - **Databases:** MongoDB, PostgreSQL
 - **AI & ML Frameworks:** Scikit-Learn, TensorFlow, LangChain

PROJECTS:

Robust Network Intrusion Detection (Apr – Nov 2025)

- Developed a machine learning-based NIDS to detect malicious network activity and improve robustness against adversarial evasion attacks.
- Applied adversarial machine learning techniques, enhancing resilience against evasion attempts by about 15%
- Designed and developed a full-stack monitoring dashboard using FastAPI and Next.js.
[GitHub Repository – Robust Network Intrusion Detection](#)

CreditExplain (Aug - Sep 2025)

- Developed an advanced RAG system for financial compliance using LangChain, FastAPI, and React 18, based on the Self-RAG architecture.
- Ingested more than 10 regulatory documents from Kenya and Nigeria for improved question-answering.
- Placed 2nd among 10-15 teams at the NSK.AI RAG bootcamp hackathon.

[GitHub Repository - CreditExplain](#)

YouTube Chatbot (Aug 2025)

- Built a RAG-based chatbot for YouTube videos using LangChain and Streamlit.
- Handled about 3-5 video URLs per session, with semantic search on video transcripts.
- Reduced effort for users to get YouTube video summaries by about 70%.

[GitHub Repository - YouTube Chatbot](#)

CERTIFICATIONS:

September 2025	NSK.AI: Introduction to AI Agents
October 2024	Safaricom Engineering: Software Architecture and Automation
December 2023	CCNA v7: Switching, Routing, and Wireless Essentials
March 2023	CCNA v7: Introduction to Networks

EDUCATION:

Bachelor in Informatics and Computer Science	Jul 2022 – Feb 2026
<i>Strathmore University, Kenya</i>	
<i>Completed; degree to be conferred in Aug 2026</i>	
Kenya Certificate of Secondary Education (KCSE)	Jan 2018 - Apr 2022
<i>Mount Kenya Academy, Kenya</i>	Mean Grade: A- (77 pts)