

NIWASIIMA ASHELYCOLE

Software Engineer · AI & Cloud Specialist · Web3 Developer · Tech Community Builder

Kampala, Uganda | coleniwasiima@gmail.com | +256 767 024 153 | Portfolio: ashelycole.vercel.app | GitHub: Ashelycole1
| LinkedIn: Niwasiima Ashelycole

PROFESSIONAL SUMMARY

Results-driven Software Engineering student at Cavendish University Uganda (Expected Graduation: January 2029) and Co-Founder & CTO of RENOA, with a proven record of building and shipping production-grade applications that solve real African challenges. Recognised as a 3rd Prize Winner at the Huawei ICT Competition Southern Africa Regionals (Cloud Track) — one of only two teams selected to represent Uganda at the Africa Regional stage, earning a place at the Global Championships. Ranked #132 among Uganda's most active GitHub contributors. Specialises in full-stack development, cloud-native architecture, AI systems, and Web3 — with deployed products showcased at national expos and used by real communities.

EXPERIENCE

Co-Founder & Chief Technology Officer — RENOA

Apr 2026 – Present

Full-time · Hybrid

Kampala, Uganda

- **Technical Leadership:** Direct the overarching product roadmap and engineering strategy across a suite of decentralised, sustainable software products.
- **ExFlo:** Architected an autonomous AI travel orchestration ecosystem integrating Next.js, LangChain, and MiniPay for seamless Web3-powered micro-transactions.
- **EcoFarm** (4 stars 2 forks · github.com/Ashelycole1/Ecofarm · live: ecofarmug.vercel.app): Built and deployed a multilingual (English, Luganda, Runyankole, Lusoga, Acholi, Swahili) smart agricultural platform at ecofarmug.vercel.app — showcased live to industry experts at the 4th National Appropriate Technologies Expo, UMA Showgrounds; real farmers used the platform on the day to track regional locust alerts and manage farm health data.
- **LawBuddy** (4 stars · github.com/Ashelycole1/LAWBUDDY): Engineered an offline-first, AI-powered legal access platform grounded in the 1995 Ugandan Constitution — making constitutional rights accessible to 45M+ citizens without reliable internet. Features Pro View side-by-side article comparison, searchable library, and AI Buddy that answers citizen queries in plain language.
- **Gemyte** (2 stars 2 forks · github.com/Ashelycole1/GEMYTE): Designed and optimised core product engineering, database architecture, and responsive UI for market readiness.

Creator — Naano

Apr 2026 – Present

Full-time · Remote

Kampala, Uganda

- Building and publishing content and tools as an independent creator within the Naano platform ecosystem.

Regional Finalist & 3rd Prize Winner — Huawei ICT Competition (Southern Africa)

Sep 2025 – Mar 2026

Apprenticeship · Remote

Kampala, Uganda

- Represented Uganda and Cavendish University at the Southern Africa Regional Finals of the Huawei ICT Competition (Cloud & AI Track) — selected as one of only two teams from Uganda to advance to the Africa Regional stage, then earning a place at the Global Championships in China.
- Demonstrated advanced proficiency in Cloud Computing, AI workflows, GaussDB database management, and NAT Gateway configurations under high-pressure competitive conditions.
- Validated technical expertise through HCIA-AI V4.0 and HCIA-Cloud certifications during the competitive track.

PROJECTS

Rafiki 3 stars · github.com/Ashelycole1/RAFIKI-ASSESSMENT-APP

May 2026

Frontend & Prompt Engineer

Kampala, Uganda

- ▶ Built an interactive bilingual (English/Swahili) career competency assessment app for Kuelimika Kwa Africa, integrating a master prompt orchestration layer for personalised, contextual career guidance. Session hosted at Cavendish University Uganda attracted industry speakers including Sandra Joyce Nakibuuka MPH PMP, Waswa Moses, James Katumba, and Adedeji Oluwafemi Adepoju.

COLECHAIN (\$COLECH) | Ethereum Smart Contract

May 2026

Blockchain Developer

Kampala, Uganda

- ▶ Deployed a custom Ethereum token on Tenderly: implemented smart contract logic, simulated on-chain minting and transfer transactions, and debugged in a virtual environment to ensure security — marking first execution-phase milestone in Web3 development.

Chainlink Web3 Meetup Organiser

May 2026

Event Lead · Cavendish University Uganda

Kampala, Uganda

- ▶ Organised and hosted a Chainlink developer meetup at Cavendish University exploring 'Web3 Evolution: How Blockchain Will Shape the Future of the Internet' — attracted 95+ engagements and 1,906 LinkedIn impressions; guided students from zero blockchain knowledge to deploying their first decentralised applications.

ACTIVITIES & LEADERSHIP

Active Open-Source Contributor — GitHub Uganda

May 2026 – Present

Ranked #132 Nationally on *committers.top* · 99% commit activity across 29+ repositories

Uganda

- ▶ Consistently committing code and collaborating on regional technical initiatives, maintaining a top-tier ranking among Uganda's most active open-source developers.

Technical Trainer & Volunteer — Akili Za Kesho Ventures

Apr 2026 – Present

Science & Technology

Kampala, Uganda

- ▶ Deliver hands-on capacity building programs empowering local youth, researchers, and community members in smart agricultural technologies and data-driven decision-making.

AI Collective — Cross-Border Collaboration (Uganda × India)

2026

Global Collaborator

Remote

- ▶ Participated in a cross-continental AI strategy session (5 minds, 2 countries) exploring the intersection of AI ethics, human conviction, and responsible development in African and Indian tech ecosystems.

EDUCATION

Cavendish University Uganda

2025 – Jan 2029 (Expected)

Bachelor of Software Engineering · Concentrations: Cloud Architecture & Full-Stack Systems

Kampala, Uganda

- ▶ **Relevant Coursework:** System Analysis & Design, C Programming, Database Systems, Huawei Cloud Computing, AI & Machine Learning, OOP, Computer Architecture, Object & Systems Design.

CERTIFICATIONS & LICENCES

- ▶ **HCIA-AI V4.0** — Huawei Certified ICT Associate (Artificial Intelligence) — Huawei ID: ICT20251011002852
- ▶ **HCIA-Cloud** — Huawei Cloud Computing — Huawei ID: Issued Oct 2025

- ▶ **Introduction to Kubernetes (LFS158)** — The Linux Foundation / Andela African Developer Training Program ID: LF-8y7c1ixj0m
- ▶ **Introduction to Systems Analysis & Requirements Engineering** — IBM ID: XR70SFTA1C9M
- ▶ **Digital Entrepreneurship Skills** — AfriLabs ID: 67da87fcb66726fafa069c38
- ▶ **AI for Everyone (Generative & Agentic AI Workshop)** — TechVerse Nexus ID: Feb 2026
- ▶ **Everyday Excel** — Coursera ID: K3KTHEB7OIH2

SKILLS

Languages: JavaScript, Python, Java, SQL, HTML/CSS, C, Node.js, Solidity

Frameworks & Libraries: React.js, Next.js, Flask, LangChain, Bootstrap, MiniPay

Cloud & DevOps: Google Cloud Platform, Huawei Cloud (GaussDB, NAT Gateway), AWS, Kubernetes, Docker

AI & Data: Machine Learning, Deep Learning, AI Workflows, Prompt Engineering, Agentic AI Systems

Web3 & Blockchain: Ethereum, Smart Contracts (Solidity), Tenderly, Chainlink, Web3 Architecture

Tools & Platforms: Git, GitHub, Android Studio, Antigravity IDE, Vercel, Agile/Scrum, VS Code

Methodologies: Agile, SDLC, Systems Analysis, Requirements Engineering, Local-First Architecture

500+ LinkedIn Connections · 768 Profile Views · Open to Work: On-site & Hybrid, Kampala