

RICHARD KWAKU OPOKU

Cloud & Cybersecurity · Computer Science & Engineering

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PROFESSIONAL SUMMARY

Computer Science and Engineering student (Year 3, UMaT) targeting cloud engineering and cybersecurity roles. Strong software foundation: shipped 6+ live products (React/Next.js, MongoDB/EC2 deployments, AI integrations) with end-to-end ownership. Current focus: AWS hands-on labs, security training, and applying cloud + security concepts to real apps. AWS Certified Cloud Practitioner; cybersecurity trainee (OMC); ISC2 Certified in Cybersecurity in progress.

EDUCATION

Bachelor of Science in Computer Science and Engineering

Expected Graduation: 2027

University of Mines and Technology (UMaT), Tarkwa, Ghana

- Relevant Coursework: Cloud Computing, Software Engineering, Database Systems, AI/ML Systems, IoT & Embedded Systems

TECHNICAL SKILLS

Cloud & Security: AWS (Amplify, S3, IAM, Lambda, API Gateway), Linux basics, networking fundamentals, CI/CD

Software (background): Next.js, React, TypeScript, Node.js, Python, PostgreSQL, MongoDB

AI / ML: OpenAI, Gemini, RAG pipelines

Tools: Git, Docker, Vercel, Figma

AWS HANDS-ON LABS

Personal AWS account (us-west-1)

- Lab 1 — Amplify Hosting: Connected GitHub repo (iamroidev/devroi); CI/CD on push to main; HTTPS portfolio deploy
- Lab 2 — S3 + IAM: Bucket with block public access; least-privilege IAM policy scoped to private/ prefix
- Lab 3 — Serverless API: Lambda + API Gateway HTTP API; IAM execution role; JSON API endpoint

EXPERIENCE

Cybersecurity Trainee — OMC / One Million Coders

- Cybersecurity fundamentals and practical training (in progress)
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AWS re/Start Graduate — AmaliTech

- Cloud architecture, IAM, VPC, EC2, S3, Linux, Python, networking, databases

Hackathon Participant — Dept. of Computer Science & Engineering, UMaT — 2025

- Participated in a general hackathon organized by the department.
- Collaborated with peers to design and present innovative software solutions.

IoT Hackathon Developer — Robotics Club (AAENICS), UMaT — 2026

- Built embedded systems prototypes using ESP32 and MQTT.
- Worked in a team to solve automation challenges and present IoT solutions to an evaluation panel.

KEY PROJECTS

Quads | *React, Node.js, Express, MongoDB, Paystack, AWS EC2* quadsmarket.tech

- Campus marketplace — buyer/seller/admin RBAC, Paystack escrow, API on EC2, web on Vercel/Cloudflare.

Scholar | *Next.js, Supabase, Gemini API, Stripe* [Live Demo](#)

- AI scholarship matching platform; schema design through live deployment and Stripe billing.
- Personalised opportunity matching with integrated Paystack/Stripe subscription billing.

InsightFlow | *React, Vite, Supabase, TypeScript* [Live Demo](#)

- AI reading assistant — summaries and insights from documents.

Sheet2SaaS | *Next.js, Supabase, Gemini API, Stripe* [Live Demo](#)

- Spreadsheet-to-SaaS dashboards with subscription billing.

StudyMate | *Next.js, OpenAI API, PostgreSQL, Tailwind* [Live Demo](#) • AI study assistant — quizzes,

flashcards, summaries from uploaded content.

- Deployed on Vercel with CI; optimised for sub-2-second load times.

UMaTBOT (MINEBOT) | *Telegram Bot, Python* [Live Demo](#)

- Campus helpdesk bot — FAQs and resources via Telegram and web.

CERTIFICATIONS

AWS Certified Cloud Practitioner

Amazon Web Services (Credly)

OMC Cybersecurity Trainee

One Million Coders

ISC2 Certified in Cybersecurity (CC)

In progress

Machine Learning Specialization

Stanford University & DeepLearning.AI (Coursera)