

JESCAPS NYARKO ANTWI

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EDUCATION

Ashesi University

Berekuso, Ghana

Major: Computer Science

Jan 2024 – May 2027

- **GPA:** 3.51/ 4.00
- **Relevant Courses:** Databases, Data Structures, Computer Organization & Architecture, Software Engineering, Computer Game Development, Operating Systems, Algorithms, Machine Learning, Object-Oriented Programming.
- **Honours:** MasterCard Foundation Scholar, Dean's List, iGEM 2025 Silver Medalist (Paris), Northeastern U Hackathon Finalist.

WORK EXPERIENCE

GoNow, Product & UAT Intern, Washington (Remote)

Feb 2026 – Present

- Improved reliability for 150+ users by identifying 40+ frontend/backend defects across critical user workflows.
- Accelerated bug resolution by testing 25+ APIs with Postman, DevTools, and Google Developer Console to validate fixes.
- Increased cross-device stability across 10+ device/browser combinations using Cypress, BrowserStack, and Screaming Frog.

Jackal Tech Ltd., Software Engineer, Rwanda (Remote)

Feb 2026 - Apr 2026

- Built JackalHRMS backend supporting 100+ candidates across 4+ hiring stages from application to onboarding.
- Implemented 15+ REST and tRPC APIs in TypeScript/Node.js for workflow transitions and role-based access control.
- Designed PostgreSQL schemas and immutable event logs tracking 1,000+ hiring events for secure, fault-tolerant operations.

Aya Data, Cloud Engineer Intern, Ghana

Jul 2025 - Oct 2025

- Led 5 interns under 2 senior DevOps engineers to build 3+ cloud-native applications on Google Cloud Platform.
- Automated cloud workflows processing 10,000+ daily records using Terraform, Docker, Kubernetes, and FastAPI.
- Built containerized infrastructure & backend services across 5+ deployments to improve scalability & consistency.

PROJECTS

ExamLockr | React, TypeScript, Node.js, MongoDB, WebSockets, Judge0 CE, ElectronJS

[Product Demo](#)

- Built a digital examination platform supporting 500+ programming and theory-based assessments with automated grading.
- Developed an AI grading engine that parsed 1,000+ PDF submissions and reduced manual grading time by 80%.
- Engineered a secure lockdown browser with ElectronJS and WebSockets to prevent cheating across 200+ exam sessions.

Lanspeech AI | React, TypeScript, Firebase, AWS, Google Cloud, ElevenLabs API

[Live Project](#)

- Built an AI-powered speech therapy platform serving 50+ users with speech coaching and therapist matching across Ghana.
- Integrated ElevenLabs and Google Speech-to-Text APIs for real-time speech synthesis, transcription, and assessment.
- Engineered cloud infrastructure on Firebase, AWS, and GCP for scalable, low-latency audio processing.

LEADERSHIP & EXTRACURRICULARS

1st Place, [Coded Robotics Competition](#)

Mar 2025

- Led a team of 3 to build a 1st-place autonomous Python combat bot for simulated robotics battles.
- Engineered decision-making algorithms and battle logic that outperformed competing AI agents in H2H matches.
- Built sensor-processing and navigation systems enabling real-time, autonomous combat decisions.

Google Developer Group, Ashesi University, President

Jan 2026 - Present

- Led software engineering, AI, and emerging tech workshops and hackathons for 50+ students.
- Mentored 10+ student projects to completion through technical guidance, code reviews, and engineering best practices.
- Directed club operations and executive initiatives to expand student engagement in software development and innovation.

Code4All, Ashesi University, President

Sep 2025 - Present

- Led 15+ executives delivering programming and digital literacy training to 100+ students across Ghanaian high schools.
- Drove STEM participation by leading coding workshops and mentorship for 100+ girls.
- Organized outreach introducing software development and computational thinking to 5+ underserved communities.

SKILLS & PROFICIENCIES

Languages: Python, Java, C++, C, JavaScript, TypeScript, R, Go, Swift.

Frameworks & Libraries: React, Node.js, Express.js, Django, FastAPI, Jest.

Cloud & DevOps: Google Cloud Platform (GCP), Terraform, Docker, Kubernetes, CI/CD Pipelines.

Databases & Tools: SQL, PostgreSQL, MongoDB, Firebase, Supabase, Git, Postman.

Design & Collaboration: Figma, Agile Methodologies, Technical Mentorship, Leadership.