Shemsa Amin

Full-Stack Developer · Cybersecurity · Networking
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SUMMARY

Computer Engineering student and software developer with practical experience in full-stack development, UI/UX design, networking, and cybersecurity. Builds modern web applications with React, TypeScript, Django, and PostgreSQL, and is passionate about using technology to solve real-world challenges.

EDUCATION

Dar es Salaam Institute of Technology (DIT) · Dar es Salaam, Tanzania *October 2024 – August 2028*
Bachelor Degree in Computer Engineering

EXPERIENCE

People's Bank of Zanzibar (PBZ) Ltd · Industrial Practical Training, Zanzibar *August 2026 – October 2026*

CodeAlpha · Python Programming Intern (Remote) *January 2026 – February 2026*
- Completed hands-on Python development and problem-solving tasks, strengthening debugging and analytical skills; earned a Certificate of Completion.

HUAWEI DIT ICT Academy · Networking Field Trainee, Dar es Salaam *August 2025 – October 2025*
- Hands-on training in network configuration, IP addressing, routing, switching, network design, and troubleshooting through lab exercises and practical projects.

PROJECTS

MwaniMlinzi AI · Sahara Ventures Exhibition Project mma.tanzaniaventureslab.co.tz
- Seaweed-farming risk, harvest, and decision-support platform for Zanzibar farmers, showcased at the Sahara Ventures exhibition: early warnings and advice via USSD/SMS plus a cooperative dashboard.

MediCare Hub · React, TypeScript, Node.js, Express, Stripe GitHub
- B2B healthcare procurement marketplace linking Tanzanian hospitals with verified suppliers: role-based JWT auth, multi-supplier checkout, order tracking, and Stripe plus mobile-money payments.

Dalali Trust — SahaShares · React, Node.js, MongoDB, Africa's Talking Live demo
- Prop-tech micro-investment and anti-scam rental platform with AI-assisted KYC, fractional property shares, and SMS, USSD, and M-Pesa access in English and Swahili.

LipaStellar · Python, Django, Stellar SDK GitHub
- Stellar Hackathon merchant payment gateway with username onboarding and TZS-to-XLM checkout.

LEADERSHIP & ACTIVITIES

Huawei Campus Ambassador · HUAWEI DIT ICT Academy *December 2025 – Present*
- Promote ICT Academy programmes at DIT and help organise ICT events, workshops, and networking.

Hackathons & Innovation Challenges *2024 – Present*
- Regular participant in hackathons and innovation challenges (Stellar, AgriMove AI, Sahara Ventures).

CERTIFICATIONS

Defensive Security Track · UrchinSec CyberSec Bootcamp *November 2025*
AGCCI Binti Dijitali Coding Camp · UN Women & Government of Tanzania *March 2025*
Her Campus Programme: Personal Branding & Content Marketing · Letis Platforms *2026*

SKILLS

Languages: Python, TypeScript, JavaScript, C++, HTML, CSS, Java
Frameworks: Django, React, Node.js / Express, Flask, Bootstrap, Tailwind CSS
Databases & Tools: PostgreSQL, MongoDB, SQLite, Git, GitHub, Linux, VS Code, Vercel
Networking & Security: IP addressing, routing & switching, network troubleshooting, defensive security
Soft Skills: Communication, problem solving, team leadership, technical writing
Spoken Languages: Kiswahili (Native), English (Conversational), Arabic (Beginner)