**STANLEY GETANGE ONYANGO**

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GitHub: https://github.com/Stannoh453 | Typing Speed: 85 WPM

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**TECHNICAL PROFILE**

Motivated Information Technology student with strong interests in systems administration, cybersecurity, and network infrastructure. Comfortable working in Linux terminal environments and experienced in building and troubleshooting authentication and network services. I take a hands-on approach to learning by maintaining a personal homelab and exploring practical applications of automation and machine learning in cybersecurity.

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**CORE TECHNICAL SKILLS**

**Operating Systems:** Advanced Linux user (Debian, Kali); working knowledge of Windows Server.

**Scripting & Programming:** Python (automation and security scripting), Bash, PHP, SQL (MySQL).

**Network Security:** FreeRADIUS deployment, EAP-TTLS and MSCHAPv2 authentication protocols, MySQL integration.

**Hardware & Systems:** Server maintenance (HP Compaq 500B MT), hardware diagnostics (Dell Latitude E7240), Linux systemd service management.

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**HANDS-ON PROJECTS**

**FreeRADIUS Network Authentication Server**

- Deployed a Debian-based FreeRADIUS server on an HP Compaq 500B MT to manage network authentication.
- Integrated a MySQL backend and configured MSCHAPv2 authentication protocols for secure user access.
- Monitored authentication logs and troubleshot connection failures to maintain stable service operation.

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**Phishing Detection Research**

- Developing a research proposal focused on *"Optimized Detection and Phishing Prevention Using Ensemble Machine Learning Approaches."*
- Conducting literature review on machine-learning-based phishing detection models and methods for reducing false positives.

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**Scout Management System**

- Built a web-based management system using PHP and MySQL for structured record management.
- Refactored legacy code to improve database query performance and resolved complex relational database issues.

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**Automation & Personal Development Scripts**

- Developed scripts using Python and Bash to automate system updates and scheduled backups on a personal Linux server.
- Built a personal project ("Identity 2.0") to track development goals and productivity metrics using Git-based version control.

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**ACHIEVEMENTS & INITIATIVES**

**Cybersecurity Training:** Active participant in OverTheWire challenges (Bandit and Leviathan) to strengthen Linux command-line and security problem-solving skills.

**Homelab Management:** Maintain a personal homelab used for experimenting with server configurations, automation scripts, and network infrastructure.

**Technical Deployment:** Built and maintained multiple Linux-based service environments for experimentation and learning.

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**EDUCATION**

**Bachelor of Science in Information Technology**
Kisii University — Kisii, Kenya
Expected Graduation: 2026

Relevant Coursework:
Network Security, Operating Systems, Database Systems, Computer Networks

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**REFEREES**

Available upon request.

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