Ahmed Hossam El-Shokrfy

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Professional Summary

Network and System Engineer with strong knowledge in networking, cloud infrastructure, and system administration. Skilled in configuring, securing, and optimizing servers and networks across hybrid environments. Dedicated to delivering reliable, scalable, and secure IT infrastructure solutions.

Education

Bachelor's Degree in Communication and Computer Engineering   Oct. 2020 – Jun. 2025
Tanta Higher Institute of Engineering and Technology

Experience

Cybersecurity Graduate Training Program   Aug. 2025 – Sep. 2025
National Telecommunication Institute (NTI), Ministry of Communications

- Completed hands-on training in SOC operations, cloud security, and DevSecOps using enterprise-grade tools.
- Gained practical experience in network defense, incident response, and system hardening.

Graduation Project – Smart Glove for Deaf People with Mobile App   Oct. 2024 – Jun. 2025
Flutter, ESP32, BLE, Firebase, APIs, AI

- Developed a secure BLE communication system between the glove and mobile app with encrypted exchange.
- Applied Firebase authentication and secure coding in Flutter and APIs to ensure data privacy.

Summer Training – CCNA Routing and Switching   Jul. 2024 – Sep. 2024
Telecom Egypt (WE)

- Completed CCNA training covering network basics, IP addressing, subnetting, VLANs, routing, and NAT.
- Configured and troubleshooted routers and switches in Packet Tracer applying ACLs, VLANs, and remote access.

Summer Training – Web Development with Python   Jul. 2023 – Sep. 2023
Information Technology Institute (ITI), Ministry of Communications

- Completed full-stack web development training using Python, Django, HTML, CSS, JavaScript, and MySQL.
- Developed and deployed secure web applications applying authentication, CSRF protection, and input validation.

Technical Skills

Networking: Routing & Switching, VLANs, ACLs, NAT, DHCP, DNS, VPNs, Troubleshooting
System Administration: Windows Server, Linux, User & Group Management, Backup & Recovery, Virtualization
Cloud & Infrastructure: AWS, Google Cloud, Docker, Cloud Networking
Security Tools: Wireshark, Nmap, Burp Suite, Metasploit, Security Hardening, Firewall Configuration
Programming & Scripting: Python, Bash, PowerShell, HTML, CSS, JavaScript, SQL
Version Control & Platforms: Git, GitHub, Firebase, Django, Flutter
Soft Skills: Analytical thinking, problem-solving, teamwork, adaptability, attention to detail

Certifications

Cybersecurity Graduate Training Program — NTI, Ministry of Communications, 2025
Ethical Hacking — Mahara-Tech ITI e-Learning Platform, 2025
MCSA — Mohamed Zohdy Academy, 2024
CCNA Routing and Switching — Telecom Egypt (WE), 2024
Web Development with Python — ITI, Ministry of Communications, 2023

Languages

Arabic: Native proficiency
English: Good command (reading, writing, and speaking)