

Ahmed Marwan Abdulmalek Ali

Network & Security Engineer

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PROFESSIONAL SUMMARY

Passionate cybersecurity professional with hands-on experience in threat monitoring, VPN configuration, and firewall management (Fortinet), and automation using Python and Bash. Experienced in incident response, system hardening, and SIEM monitoring using Zabbix. Skilled in vulnerability assessment and web app testing using Nmap, Burp Suite, Wireshark, and Nessus, with scripting for automation and detection. Graduated from Universiti Teknologi Malaysia (UTM), ranked 153rd globally in the 2026 QS World University Rankings.

CORE COMPETENCIES

+ **Cybersecurity & Network Defense:** Nmap, Burp Suite, Wireshark, Nessus, curl, Fortinet, Zabbix, IPSec, VPN, SD-WAN, VLANs, ACLs, Subnetting, Incident Response, System Hardening, SIEM Monitoring
+ **Programming & Automation:** Python, Bash (Linux Scripting), C++ , JavaScript, Flask, FastAPI, Secure Web Development, and vibe coding
+ **Cloud & Virtualization:** AWS, Docker, Supabase, Vercel, Virtual Access Routers, Raspberry Pi
+ **Data & Visualization:** Scikit-learn, Tableau, Power BI, Data Analytics, Reporting Dashboards
+ **DevOps & Tools:** Git, SSH, Putty, Packet Tracer, VS Code, Linux, Zsh
+ **Soft Skills:** Threat Analysis, SOP Documentation, Task Automation, Team Collaboration, Project Management

EDUCATION

Bachelor of Network and Security with Honours

Universiti Teknologi Malaysia (UTM)

Aug 2021 – Jul 2025

CGPA: 3.25

High School Certificate

Al-Noor School, Jeddah, Saudi Arabia

Jul 2017 – Apr 2019

PROFESSIONAL EXPERIENCE

DOC Associate — *Magnifi Machines (Malaysia)* — Aug 2024 – Feb 2025

- Worked with Linux, Fortinet firewalls, and Virtual Access routers
- Hands-on with IPSec, VPN, SD-WAN, AWS, and Azure
- Used Zabbix for monitoring and troubleshooting
- Managed incident response and automated tasks using scripts

Head of Computing — *YSAG* — Mar 2023 – Mar 2024

- Led computing initiatives and academic support programs for YSAG students at UTM University.
- Organized technical workshops and coding sessions.
- Mentored junior students in programming concepts.
- Coordinated academic support programs.
- Facilitated knowledge sharing sessions.

Freelance Designer — @ahmed_trying on Instagram — Jan 2022 – Aug 2023

- Delivered design projects and handled client acquisition
- Managed project feedback and communication

E-commerce Manager — High Sleep — Jul 2020 – Apr 2024

- Managed inventory and online sales
- Ran SEO, social media, and Google Ads campaigns

PROJECTS

- **Malaysia Scam and Fraud Dashboard** – Final Year Project
Python, Tableau, Power Bi, Logistic Regression, Web Scraping
Built a dashboard for scam/fraud trend analysis with predictive modeling.
- **Tomm&Danny Coffee Shop Management System** – Real-time Restaurant Platform
Next.js 15, TypeScript, Supabase PostgreSQL, Tailwind CSS, Radix UI
Developed a full-stack restaurant management platform with contactless QR ordering, kitchen display system, point-of-sale interface, real-time notifications, and comprehensive analytics dashboard.
- **University Network Infrastructure Enhancement** – Packet Tracer Simulation
Cisco Packet Tracer, VLAN, Routing, ACLs
Simulated a campus network with VLANs, routing, and access control.
- **Mini Password Manager** – Secure Web App
Flask, HTML/CSS, bcrypt
Developed a simple web app for password storage and hashing.
- **AES Cryptography App** – Web Encryption Tool
JavaScript, AES-256, ECB/CBC
Created a web-based tool for AES message encryption and decryption.
- **Auto Ping Bot** – Internal Monitoring Script at Magnifi Machines
Linux, Bash, ICMP, Cron
Automated ping checks and alerts for internal network uptime.

CERTIFICATIONS

- Cisco: CCNAv7, CCNA Enterprise Networking Security and Automation
- Cisco: IoT and Digital Transformation
- Cisco: Network Security
- IBM: Cybersecurity Tools & Cyberattacks
- IBM: Introduction to Artificial Intelligence (AI)

LANGUAGES

Arabic: Native

English: Professional Proficiency