

# Ahmed Marwan Abdulmalek Ali

Network & Security Engineer

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## PROFESSIONAL SUMMARY

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Cybersecurity & Network Engineer with hands-on **DOC** experience (Fortinet, VPN, SD-WAN, Linux) and **former Head of the School of Computing (YSAG)**, UTM. Developed security-focused projects including **Aegis GRC**, a multi-tenant governance platform, a **Fraud Analytics Dashboard** (ML), and an **AI-based Scam Monitoring System**. Skilled in vulnerability assessment (Nmap, Burp Suite, Wireshark, Nessus), SIEM monitoring, system hardening, and Python/Bash automation. **Universiti Teknologi Malaysia (UTM)** Network & Security graduate (QS Top 153).

## CORE COMPETENCIES

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- + **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

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### 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

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### 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 (LINKS ATTACHED FOR EACH)**

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- **Aegis GRC** – SaaS Governance, Risk & Compliance Dashboard  
*Next.js 15, TypeScript, Supabase, Tailwind CSS, shadcn/Radix UI*  
Multi-tenant isolation (RLS), role-based access (Admin/Manager/Viewer), real-time dashboard (Risks, Compliance, Tasks), risk management with acceptance workflows, treatment plans, and audit logs. Control management (evidence, testing, exceptions), policy versioning and task management.
- **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.
- **RishTea** – Next.js E-commerce Platform for Coffee & Tea  
*Technologies: Next.js, Supabase, Node.js*  
RishTea is a café ordering platform with a customer interface for browsing products and an admin dashboard for managing orders, products, and taxes. It offers a responsive mobile experience and real-time order tracking.
- **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 (LINKS ATTACHED FOR EACH)**

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- 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**

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**Arabic:** Native

**English:** Professional Proficiency