

# MOHAMED IBRAHIM MOHAMED

## Network Engineer

+966 500592372 ♦ [muhamedibrahimm7@gmail.com](mailto:muhamedibrahimm7@gmail.com) ♦ [LinkedIn](#) ♦ [GitHub](#) ♦ [Madinah – Saudi Arabia](#)

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### Professional Summary

Network Engineer with over 2 years of hands-on experience in designing, implementing, and maintaining secure and scalable networks. Expertise in routing protocols, VLANs, VPNs, firewalls, and virtualization environments such as VMware.

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### Professional Experience

#### **Network Instructor & Engineer | AL-Watan Higer Technical Training Institute, Madinah, SA | May 2024 – Present**

- Delivered hands-on training on CCNA topics including Routing, Switching, VLANs, ACLs, and basic network security.
- Designed and implemented lab simulations using Cisco Packet Tracer and Wireshark to emulate real-world network scenarios.
- Maintained campus network infrastructure, ensuring 99.9% uptime and optimal performance.
- Developed and applied network security protocols that reduced vulnerabilities by 30%.
- Guided over 200 students in practical and theoretical aspects of networking and cybersecurity.

#### **Network & IT Specialist Engineer | Collins Elevators and Escalators Company, Cairo, Egypt | Dec 2023 – Feb 2024**

- Administered VMware-based virtual environments, resulting in a 45% boost in server resource efficiency.
- Deployed and configured secure LAN/WAN infrastructure, ensuring network stability and data protection.
- Delivered IT support services including hardware setup, network troubleshooting, and data backup solutions.
- Ensured seamless user support for network printers, scanners, and Windows-based systems.

#### **Network & IT Specialist Engineer | Army System and Information Management, Cairo, Egypt | Oct 2022 – Nov 2023**

- Deployed and maintained Windows Server, Active Directory, and VMware virtual environments for secure access control.
- Installed and configured surveillance (CCTV) systems and peripherals improving departmental productivity.
- Performed in-depth network diagnostics and reduced infrastructure downtime by 20% through proactive issue resolution.

## Skills

- **Networking:** Routing & switching, TCP/IP, LAN/WAN, VPNs, Firewalls (Sophos), DNS/DHCP Configuration, Network Troubleshooting.
  - **Network Security:** Vulnerability Management, Secure Computing Practices, Threat Mitigation, Network Security Implementation.
  - **Virtualization:** VMware, Virtual Machine Configuration & Management, Hyper-V.
  - **Programming:** Python (Network Automation & Scripting).
  - **Operating Systems:** Windows Server, Linux.
  - **Tools:** Wireshark, Packet Tracer, PuTTY, Active Directory.
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## Education

**Bachelor of Engineering – Electronics and Communication**  
**High Institute for Engineering and Technology, Cairo, Feb 2022**

Relevant Coursework: Operating Systems, Network Security, CCNA R&S, CCNP R&S, MCSA

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## Languages

- English: Intermediate
- Arabic: Native