

# Youssef Mohamed Atiya Gomaa

## Junior System & Network Administrator

Giza, Egypt | +20 109 497 0350 | [eng.youssefmohammed80@gmail.com](mailto:eng.youssefmohammed80@gmail.com) | [LinkedIn](#)

---

### PROFESSIONAL SUMMARY

Junior System & Network Administrator with hands-on experience in Windows Server administration, network infrastructure, and technical support. Skilled in Active Directory Domain Services (AD DS), DNS, DHCP, Group Policy, WSUS, WDS, Hyper-V, and enterprise network implementation. Experienced in building lab environments, troubleshooting infrastructure issues, and designing Cisco Packet Tracer projects. Currently seeking an entry-level role in System Administration, Network Administration, or IT Infrastructure.

### TECHNICAL SKILLS

**System Administration:** Windows Server, Active Directory Domain Services (AD DS), Domain Controllers, DNS, DHCP, Group Policy, OU Design, User and Group Management, RSAT, File Server, DFS, NTFS Permissions, IIS, WSUS, WDS, Hyper-V, Backup & Recovery, Remote Administration

**Networking:** TCP/IP, IPv4/IPv6, Subnetting, VLANs, Inter-VLAN Routing, OSPF, ACLs, NAT, PAT, SSH, Wireless Basics, Network Segmentation, Router and Switch Configuration

**Infrastructure & Security Fundamentals:** Firewall Fundamentals, Zone-Based Policy Firewall (ZPF), Port Security, Secure Management Access, Patch Management, Access Control, Troubleshooting, Monitoring and Logging

**Tools:** Cisco Packet Tracer, VMware Workstation, Wireshark, PowerShell, ADUC, GPMC, DNS Manager, DHCP Console, Server Manager

### PROFESSIONAL EXPERIENCE

**Computer & Laptop Repair Technician** | Smart Computer Systems | Giza, Egypt *May 2018 – Jun 2024*

- Diagnosed and resolved hardware, software, and basic network-related issues across desktop and laptop systems.
- Performed operating system installation, system reinstallation, malware removal, routine maintenance, and performance optimization.
- Provided hands-on technical support for end users, ensuring reliable system operation and timely issue resolution.

### PROJECTS

**Windows Server Administration Lab** | *Hands-on Practical Lab*

- Built and administered a Windows Server lab environment from scratch including AD DS, DNS, DHCP, OU design, users/groups, Group Policy, File Server, DFS, WSUS, WDS, Hyper-V, and backup/recovery.
- Worked with administration and diagnostic tools including ADUC, GPMC, DNS Manager, DHCP Console, PowerShell, nslookup, gpupdate, and gpreresult.
- Troubleshot real operational issues involving DNS resolution, GPO application, WSUS behavior, remote management, multi-NIC domain controller misconfiguration, RSAT installation, DFS setup, and FSMO role operations.

**Enterprise Network Infrastructure Project** | *Cisco Packet Tracer*

- Designed and implemented a secure enterprise network simulation connecting multiple headquarters and branch environments.
- Configured structured subnetting, VLAN segmentation, Inter-VLAN Routing, centralized DHCP, SSH-based management, multi-area OSPF, Static NAT, PAT, ACLs, wireless connectivity, and Zone-Based Policy Firewall (ZPF).
- Applied enterprise networking practices including segmentation, access control, traffic filtering, and secure management to reflect a realistic infrastructure deployment.

**Intelligent Hybrid AI Safety System** | *Graduation Project*

- Co-developed an intelligent safety system integrating computer vision, environmental sensors, ESP32, dashboard monitoring, and mobile application control for real-time hazard detection and response.
- Combined YOLO-based video analysis with gas, flame, and temperature sensors to detect fire, smoke, gas leakage, and abnormal events.
- The project achieved 2nd place in the Geniuses Forum competition.

## EDUCATION

---

### **Bachelor of Management Information Systems (BIS)**

EGI Academy | Oct 2022 – Oct 2026 (Expected) | GPA: 3.4 / 4.0

## CERTIFICATIONS & PROFESSIONAL TRAINING

---

- CCNAv7 Program — National Telecommunication Institute (NTI), 2026
- Windows Server Administration (MCSA Track) — Udemy, 2026
- CompTIA Security+ (SY0-601) — Netriders, 2026
- Network Infrastructure Summer Training Program — NTI / ITIDA, 2025
- Network Security Program — National Telecommunication Institute (NTI), 2025
- Cybersecurity Superhero Academy — NTI / EG-CERT / NTRA, 2025

## LANGUAGES

---

- Arabic: Native
- English: Professional Working Proficiency