

# MOHAMED AYMAN MOHAMED AHMED

## Junior Network Administrator

+201000281389 | [mu.ayman17@gmail.com](mailto:mu.ayman17@gmail.com) | [www.linkedin.com/in/mohamed-ayman-alkilany-853932250](http://www.linkedin.com/in/mohamed-ayman-alkilany-853932250)  
| Cairo, Egypt

### Objective overview

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IT Engineer with a solid foundation in networking technologies and a proven track record of implementing innovative solutions. Proficient in CCNA R&S, CCNP SCOR and MCSA, showcasing a deep understanding of Cisco networking technologies and protocols and Microsoft Products.

### Education

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- **Higher Technological Institute, 10<sup>th</sup> of Ramadan City - Bachelor's degree in engineering** (2019-2024)  
GPA: 3.23 (Very Good)

### Courses

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- **Cisco CCNA Routing and Switching (200-301 CCNA)** (Aug 2022)
- **Cisco CCNP Security Core (350-701 SCOR)** (Aug 2023)
- **Microsoft Certified Solutions Associate (MCSA 2019)** (Apr 2024)

### Technical skills

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- Profound understanding of the TCP/IP protocol suite and OSI model, including the functions of each OSI layer.
- Familiarity with NAT concepts.
- Proficiency in IP address subnetting and summarization for efficient routing table management.
- Experience configuring and optimizing routing protocols like Static Routing, RIP, EIGRP and OSPF.
- Utilization of route filters like Prefix lists, Route-Map, and AS path for network security enhancement.
- Proficiency in VLAN implementation, including access port configuration and inter-VLAN communication via trunk ports.
- Configuration of VLAN trunks (802.1Q) and VLAN propagation using VTP.
- Setup of DHCP pools and relay agents for automated IP address allocation and management.
- Implementation of Link Aggregation (EtherChannel) for increased bandwidth and redundancy.
- Implementation and optimization of STP to prevent network loops and ensure stability, including parameter tuning for faster convergence.
- Application of switch security measures like port security, ACLs, and DHCP snooping to safeguard against unauthorized access and network attacks.
- Strong expertise in Windows Server 2016/2019 administration, including installation, configuration, and management.
- In-depth knowledge of Active Directory services, including user and group management, Group Policy Objects (GPOs), and domain controller setup.
- Proficiency in configuring and managing DNS and DHCP services for seamless network operations.
- Experience in implementing and managing virtualization technologies such as Hyper-V, including virtual machine creation and maintenance.
- Familiarity with configuring and managing file and storage services, including NTFS permissions and shared folder management.
- Hands-on experience with system monitoring and performance tuning to ensure optimal server operation.
- Ability to troubleshoot and resolve hardware and software issues in a Windows Server environment.
- Proficient in implementing backup and disaster recovery solutions to protect data and maintain business continuity.
- Experience in deploying and troubleshooting Cisco VPN solutions, including site-to-site, remote access, and SSL VPNs.
- Ability to conduct risk assessments, vulnerability assessments, and penetration testing to identify and mitigate security threats.
- Strong understanding of network protocols and security technologies, including IPsec, and VPN.

## Graduation Project

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### **Design and implementation of the cloud secure enterprise networks by using DMVPN, cryptography system with different attacks and detection.**

Grade: A+ (Excellent)

- Designed and implemented a secure and resilient network connecting three company branches, utilizing Dynamic Multipoint Virtual Private Network (DMVPN) and Open Shortest Path First (OSPF) routing protocol. The project included the integration of Internet Protocol Security (IPsec) for robust security, setup of a local server for centralized data management, file sharing, and user permissions. Additionally, conducted system simulations to test and enhance the network's ability to detect and mitigate potential attacks. This comprehensive approach ensures a scalable, secure, and efficient enterprise network infrastructure.

### **Personal skills**

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- Quick learner.
- Hard worker & very well organized.
- Able to work individually or in a team.
- Ability to Settle pressed issues in a working environment.
- Excellent communication and presentation skills.
- Time management, and multi-tasking.
- Planning.
- Problem solving.

### **Personal information**

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- **Military service:** Exempted
- **Date of birth:** 01-06-1999

### **Languages**

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- **Arabic:** Native
- **English:** Very good