**Mostafa Saleh**

**Network Engineer**

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*Date of birth: 30th July 1999 | Military status: Completed.*

# Objective

Highly motivated Fresher Network Engineer with a web development background. Proficient in configuring and troubleshooting network devices, designing network architectures, and providing technical support. Passionate about Network and Cloud Engineering, with a focus on enhancing IT infrastructure and cloud-based solutions. Seeking a role to contribute to innovative and secure IT solutions while advancing my expertise and fostering learning and collaboration.

# Experience

## IT Support Soldier

### *Ministry of Interior, Security Directorate | Kafrelsheikh, Egypt. Jan 2024 – Feb 2025* ***·*** *1 yr. 2 mos.*

* Held the position of *Head Soldier of the CCTV and Security Office at the Administration of Security Forces* during my obligatory military service, where I managed maintenance, surveillance, security operations, and event/conference video editing.
* Achieved with my team 30% fewer CCTV malfunctions and 50% better quality videos.
* Promoted later to the role of IT Support for the Office of the Security Manager of Kafrelsheikh Governorate, providing technical support, ensuring seamless IT operations, and swiftly resolving over 5 IT issues daily.

## Trainee

### *AIOT | Kafrelsheikh, Egypt. Jul 2022 – Sep 2022* ***·*** *2 mos.*

* Collaborated with a team to develop and train a dataset of a deep learning model (YOLOv7), which utilizes computer vision, deep learning, infrared rays, and visible light to identify and detect pathological phenomena of poultry in real-time using convolutional neural networks algorithm.

## Trainee

### *Telecom Egypt (WE) | Alexandria, Egypt. Jul 2021 – Sep 2021* ***·*** *2 mos.*

* Learned about the structure and connection of optical fiber cables, underground installation, and fusion splicing techniques. Gained hands-on experience with FTTH networks and Telecom Egypt's traffic devices, including PCM, WDH, SDH, and WDM.

# Education

## Bachelor of Electrical Engineering – Computer and Control Engineering Department.

### *Higher Institute of Engineering and Technology Kafrelsheikh | Kafrelsheikh, Egypt. 2018 - 2023* ***·*** *5 yrs.*

* General grade: *Good (74%).*
* Graduation project grade: Excellent.

# Projects

## Graduation Project: Intelligent Mobile Robot

### *Higher Institute of Engineering and Technology | Kafrelsheikh, Egypt. Jun 2022 - Jul 2023* ***·*** *1 yrs.*

* Designed an autonomous indoor mobile robot, named IMR, with a mounted arm for picking and placing objects and assisting in warehouse tasks, using odometry and Kinect v2 for mapping. It operates autonomously via AMCL, wired and wirelessly, and supports ROS.

## Detection of Pathological Phenomena of Poultry

### *AIOT | Kafrelsheikh, Egypt. Oct 2022 – Dec 2022* ***·*** *3 mos.*

* A deep learning project which identifies and detects pathological phenomena of poultry in real-time and early-alert.

# Volunteering

## Coordinator

### *Momenta | Higher Institute of Engineering and Technology* *Kafr Elsheikh, Egypt. Oct 2019 - Oct 2021* ***·*** *2 yrs.*

* As a member of Momenta team during my studies at the institute. I contributed to organizing events, coordinating contests and seminars for my colleagues.

## Translator

### *Coursera Global Translator Community (GTC) | Online. Aug 2021 – Oct 2021* ***·*** *2 mos.*

* Contributed to translating 14,364 words on Coursera Global Translator Community (GTC) before it was deprecated.

# Skills

## Networking:

* CCNA, CCNP Enterprise, Windows Server, VMware, Microsoft Office, Hyper-V, Routing and Switching.
* TCP/IP, OSI, IPv4, IPv6, STP, RSTP, VLAN, DHCP, EtherChannel, VTP, Static Routing, RIP, OSPF, EIGRP.

## Programming:

* JavaScript, Python, C, C++, C#, Git, GitHub, PowerShell, Bash scripting, Structured Query Language (SQL).
* React, HTML, CSS, Redux, Tailwind CSS, i18next, Sass.

## Operating Systems:

* Linux (GUI - CLI), Windows (Server, Personal), Unix (FreeBSD).

## Productivity Software:

* Microsoft Office (Word - Excel - PowerPoint - Outlook - Teams).

## Languages:

* Arabic [Native Speaker].
* English [C1].

## Interpersonal Skills:

* Problem-solving, Working under pressure, Teamwork, Communication, Leadership, Adaptability, Troubleshooting, Fast typing (62 WPM).

# Courses

* CCNA 200-301 *(81 hrs.) (SNL Remote Course).*
* CCNP ENCOR 350-401 *(63 hrs.) (SNL Remote Course).*
* CCNP ENARSI 300-410 *(84 hrs.) (SNL).*
* Windows Server 2019 Administration *(22 hrs.) (Udemy).*
* Fundamentals of Operating Systems *(Self-Study).*
* Artificial Neural Networks *(Self-Study).*
* Front End Web Development Professional Nanodegree *(Udacity Scholarship).*
* Introduction to DevOps *(9hrs.) (Coursera).*
* Crash Course on Python *(31hrs.) (Coursera).*
* Introduction to Git and GitHub *(27hrs.) (Coursera).*
* Advanced React *(26hrs.) (Coursera).*
* Technical Support Fundamentals *(23hrs.) (Coursera).*