**Mostafa Saleh**

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**Cairo, Egypt | Military Status: Completed.**

# **OBJECTIVE**

Highly-motivated Computer Engineering graduate. Seeking a dynamic role in Network Engineering provides opportunities for growth, continuous learning, and collaboration. My key interests include IT Infrastructure, Network & Cloud Architecture, System Administration, Protocols and Network Security.

# **EDUCATION**

**Bachelor of Electrical Engineering – Computer and Control Engineering Department**

@ Higher Institute of Engineering and Technology Kafrelsheikh, *Kafrelsheikh, Egypt. 2018 – 2023. 5 yrs.*

* **Major GPA:** 3.5/4.0 (85%)
* **Cumulative GPA:** 3.0/4.0 (74%)
* **Graduation project grade:** Excellent
* **Relevant Coursework:** Network Architecture, Cloud Solutions, Operating Systems, Automation, Distributed Systems, Electronics, Communication Engineering, Programming, Data Structures and Algorithms

**Graduation Project:** [**Intelligent Mobile Robot**](https://mostafasaleh1.github.io/graduation-project-website/), [**YouTube**](https://youtu.be/riImir4z0CU?si=n7RT8W7Afco4Au51)**,** [**GitHub**](https://github.com/mostafasaleh1/Intelligent-Mobile-Robot-IMR)*Jun 2022 - Jul 2023. 1 yr.*

* Developed an autonomous indoor mobile robot 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 (Robot Operating System).

# **SKILLS**

## **Networking:**

* **CCNP:** ENCOR.
* **CCNA:** Routing & Switching.
* **Network Tools:** Wireshark, Packet Tracer, GNS3, and PuTTY.
* **Cloud Knowledge:** Containers, Microservices, Kubernetes, Docker, Cloud-Native.

## **System Administration:**

* **Windows Server Administration (MCSA).**
* **Virtualization:** VMware, Hyper-V.
* **Security management:** Firewalls, and VPNs.
* **Infrastructure Management:** Backup Solutions, and Performance Monitoring.

## **IT Support:**

* **Troubleshooting:** OS and application diagnostics, hardware and software issue resolution.
* **Operating Systems:** Windows (Server, Personal), Linux (CLI), Unix (FreeBSD), Android.

## **Programming:**

* **Languages:** Python, JavaScript, C, C++, C#.
* **Tools & Scripting:** Git, GitHub, PowerShell, Bash scripting, SQL, JSON.

## **Languages:**

* **English:** Fluent (Written & Spoken).
* **Arabic:** Native.

## **Soft Skills:**

* **Personal Skills:** Adaptability, Resilience, Problem Solving, Working under pressure, Communication, Troubleshooting, Leadership, Patience, Self Study, Desire for growth, Fast typing (66 WPM).
* **I’m also able to** work independently and within a team.

# **EXPERIENCE**

**IT Specialist Soldier @** Ministry of interior*, Kafrelsheikh. Jan 2024 – Feb 2025. 1 yr. 2 mos.*

**IT Help Desk Soldier** @ Security Directorate. *Oct 2024 – Mar 2025. 5 mos.*

* Promoted to IT Help Desk for the Office of the Security Manager.
* Providing technical support, ensuring seamless IT operations, and resolved over 5 IT issues per day.

**CCTV Technician Soldier @** Administration of Security Forces. *Jan 2024 – Sep 2024. 9 mos.*

* During my national service, I held the position of Head Soldier of the CCTV and Security Office.
* Managed system maintenance, surveillance, and security operations.

# **TRAINING & INTERNSHIPS**

**Intern @** Telecom Egypt (WE), *Alexandria, Egypt.* *Jul 2021 – Sep 2021. 2 mos.*

* Gained hands-on experience with FTTH networks, fusion splicing techniques, structure, connection and traffic devices, including PCM, WDH, SDH, and WDM.

**Trainee @** AIOT*, Kafrelsheikh, Egypt. Jul 2022 – Sep 2022. 2 mos.*

* Developed a YOLOv7-based model for **real-time detection of broiler pathologies** using CNNs and multimodal imaging (visible/thermal) in intensive poultry environments.
* Collaborated to build and train high-accuracy datasets, and Optimizing model performance for real-time health monitoring via computer vision and infrared thermal imaging.

**Aspire leadership Program @** Harvard Aspire Institute, *Remote. 8 Jan 2025 – 11 Mar 2025. 2 mos.*

* Advanced leadership training in strategic decision-making, ethical leadership, and conflict resolution.
* Applied data-driven problem-solving, networking, communication, and cross-cultural team projects.

# **COURSEWORK**

* CCNA 200-301 Prep (81 hours) (SNL Remote training).
* CCNP ENCOR 350-401 Prep (63 hours) (SNL Remote training).
* CCST Network Prep (70 hours) (Cisco Networking Academy).
* Windows Server 2019 Administration (22 hours) (Udemy).
* Fundamentals of Operating Systems (Self-Study).
* Introduction to Git and GitHub (27 hours) (Coursera).
* Crash Course on Python (31 hours) (Coursera).
* Huawei HCCDA Cloud Native Training (Remote Training).
* Introduction to DevOps (9 hours) (Coursera).
* Technical Support Fundamentals (23 hours) (Coursera).

# **VOLUNTEERING**

**Event Coordinator @** Momenta, *Kafrelsheikh, 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 (GTC), *Online. Aug 2021 – Oct 2021. 2 mos.*

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