

# Loay Alaa Network & Cybersecurity Technician

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📍 Giza

📅 2005/10/01

🇪🇬 Egyption

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## Education

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2021/10 - present  
Giza, Egypt

### IT diploma

WE ATS

WE School For Applied Technology

Throughout my educational journey, I dedicated my focus to the fields of networking, programming, cybersecurity, and the development of essential soft skills. I laid a robust groundwork in networking, encompassing crucial aspects like architecture, routing, and troubleshooting. Possessing a comprehensive grasp of cybersecurity, I am adept at safeguarding systems against unauthorized access and effectively responding to incidents. Furthermore, I invested significant efforts into nurturing strong soft skills such as communication, teamwork, problem-solving, and leadership. In sum, I am well-equipped to make valuable contributions to organizations in these domains and remain adaptable amidst the constantly evolving technology landscape. I have learned many things in this journey, and I hope to benefit people with them in the future.

## Technical Skills

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Linux OS (Ubuntu)

Network Troubleshooting

Network Security

Network design

Network Layer Protocols

Cisco routers & Switches

Cable management

Network Security (Firewalls - Port security -  
Wireshark - VPN - IDS - IPS - Access List)

Hardware Troubleshooting

Software Programming ( C++ - scratch- Python)

Autocad

## Soft Skills

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Decision Making

Communication skills

Critical Thinking

Leadership

Teamwork

presentation skills

Time Management

## Courses & Certificates

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### ccna 200-301

Self-study

### ccna security

Self-study

### ccnp 350-401

Self-Study

### Mcsa Windows Server 2019

Self-Study

Implementation of Computer Network [↗](#)

Networking Basics [↗](#)

Foundations of Cybersecurity [↗](#)

Linux Fundamentals [↗](#)

Cybersecurity Fundamentals [↗](#)

Python Programming [↗](#)

Operating Systems Basics [↗](#)

Computer Hardware [↗](#)

## Languages

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English

B1

Arabic

Native

## Projects

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2023 - present

### electric ladder

The Kinetic Energy Harvesting System (KEHS) with Smart Ladder Technology is an innovative project designed to harness and convert human kinetic energy into electrical power through the manipulation of a specially designed ladder. This system aims to provide a sustainable and eco-friendly solution for generating electricity in various settings

The ladder is equipped with pressure sensors and piezoelectric materials that convert mechanical stress into electrical energy.

2022/11 - 2023/02

### Ransomware Decrypter

The Ransomware Decryption App is a cutting-edge project designed to counter the increasing threat of ransomware attacks. Ransomware, a type of malicious software that encrypts a user's files and demands payment for their release, has become a significant cybersecurity concern. This app aims to provide users with a reliable and user-friendly tool to decrypt files affected by ransomware, offering a solution to the devastating consequences of such attacks.

2021/08 - 2021

### ATM system by C language

I developed this project during a course affiliated with Samsung. The C-Language-Based ATM System Application is an innovative project aimed at providing a secure, efficient, and user-friendly interface for managing Automated Teller Machines (ATMs). Leveraging the power of the C programming language, this application ensures robust functionality, reliable data handling, and a seamless experience for both financial institutions and ATM users.

## Organizations

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### We School ATS

Leadr & Organizer

I have Experience in leadership and organizing events within the school community. I demonstrated effective management skills as a volunteer and led numerous events to enrich student experiences. It is worth noting that I took charge of the Edutech event, supervising the logistics and coordinating the activities.

## Awards

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### Youth In Lead

Secured second place in the 'Youth in Lead' competition for developing the Kinetic Energy Harvesting System (KEHS) with Smart Ladder Technology. This project showcased expertise in converting human kinetic energy into electrical power through a specially designed ladder, equipped with pressure sensors and piezoelectric materials. Offers a sustainable solution for eco-friendly electricity generation in various settings

## References

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