

Moustafa Samy Sakr

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SUMMARY

A high-achieving Electronics and Communications Engineering student (Excellent standing) with a solid technical foundation in Cloud Computing, Networking, and Linux Administration. Currently a trainee at the Digital Egypt Pioneers Initiative (DEPI) specializing in the DevOps track. Proven track record of applying academic knowledge to practical projects, including Solar Tracking Systems and complex circuit simulations. Certified by ERI, Huawei, and NTI, I am committed to leveraging my automation and infrastructure skills to contribute to innovative engineering solutions.

EDUCATION

B.Sc. in Electronics and Communication Engineering (Sep 2022 - Oct 2027)
Misr University for Science and Technology (MUST)

- Cumulative GPA: 3.61 / 4.0 (Excellent)

EXPERIENCE

Linux System Administration Trainee | (NTI) (Jan 2026 – Present)

- Focused on mastering Linux environments, shell scripting, and server management.

DevOps Trainee | Digital Egypt Pioneers Initiative (DEPI) (Nov 2025 – Present)

- Specialized training in automation, CI/CD pipelines, and cloud infrastructure management.

Network Engineer Trainee (CCNA) | Electronics Research Institute (ERI) (Aug 2025– Sept 2025)

- Configured Cisco routers and switches, implemented VLANs, and performed network troubleshooting and traffic analysis using Wireshark and Cisco Packet Tracer.

Cloud Computing Trainee | National Telecommunication Institute (NTI) (Aug 2025– Sept 2025)

- Intensive program on cloud architecture, virtualization, and Huawei Cloud services.

Embedded Systems Intern | EgySpark (June 2024– Aug 2024)

- Applied Embedded C programming to develop real-time hardware interfacing systems.

COURSES

CCNA (Cisco Certified Network Associate) – Electronics Research Institute (ERI).

Covered networking fundamentals, subnetting, VLANs, routing (RIP/OSPF), ACLs, NAT, and Cisco IOS configuration & troubleshooting.

Cloud Computing Certification – National Telecommunication Institute (NTI)

Studied cloud models (IaaS/PaaS/SaaS), virtualization, VM deployment, cloud networking, storage, and basic cloud security.

HCIA-Cloud Computing – Huawei Certified ICT Associate

Hands-on experience with ECS, VPC, security groups, Elastic IP, cloud storage, snapshots, and Huawei Cloud architecture.

Freelancing Skills – Creativia, Menofia.

Learned client communication, proposal writing, project management, pricing strategies, and freelance platform best practices.

Embedded System Professional - EgySpark

Embedded C programming, microcontrollers, GPIO, timers, interrupts, ADC, and communication protocols (UART, SPI, I2C).

Matlab & AutoCAD Training – University Workshops

MATLAB simulations (signal processing & control) and AutoCAD 2D technical drafting.

SKILLS

Technical Skills: Linux Administration, Git & GitHub, Huawei Cloud, Networking (CCNA), Cisco Packet Tracer, Wireshark, Embedded C, Vivado, Proteus, OrCAD, MATLAB, AutoCAD, Microsoft Excel.

Soft Skills: Team Collaboration, Complex Problem Solving, Structured Communication (STAR Method), Time Management, Critical Thinking, Adaptability, Active Learning.

PROJECTS

Small Enterprise Network Design (Packet Tracer)

Designed and implemented a small enterprise network using Cisco Packet Tracer including VLAN segmentation, inter-VLAN routing (Router-on-a-Stick), DHCP configuration, and Access Control Lists (ACLs) for traffic control.

Static & Dynamic Routing Lab

Configured and tested static and dynamic routing protocols (RIP, OSPF) in a multi-router topology and verified connectivity using troubleshooting commands.

Linux User & Permission Management Lab

Implemented Linux user and group management, configured file permissions, SGID directories, and controlled privileged access using sudo policies.

Log Monitoring & System Analysis

Performed Linux system monitoring and log analysis using command-line tools such as grep, awk, top, and journalctl.

ECS Deployment Project

Deployed and managed an Elastic Cloud Server (ECS) on Huawei Cloud, configured security groups and Elastic IP, and hosted a web application

VOLUNTEERING & COMMUNITY ACTIVITIES

Volunteer & Youth Trainer | Ministry of Youth and Sports - Al Qalyubia (2022–2023)

- **Soft Skills Development:** Delivered multiple awareness sessions and workshops for youth covering Public Relations (PR), Event Organization, Social Media Marketing, and Human Resources (HR).
 - **Public Speaking:** Communicated complex ideas to diverse audiences, enhancing youth engagement and professional awareness.
 - **Campaign Participation:** Actively participated in national awareness campaigns, including the 6th of October celebrations and community outreach programs.
 - **Event Management:** Co-organized logistics for youth seminars, ensuring smooth operations and high-quality attendance experiences.
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LANGUAGES

- Arabic: Native Proficiency.
- English: Very Good Command (Written & Spoken).