KAREEM TAREK

Engineering student | Penetration Testing and Risk Assessment | Networking & Technical Projects
kareemalgamal3@gmail.com | +20 112 827 9141 | Egypt
GitHub: Eng-Kareem0 | Portfolio | LinkedIn

SUMMARY

Third-year Computer and Communications Engineering student at Mansoura University (GPA: 3.52) specializing in Penetration Testing and Risk Assessment, with a strong interest in Digital Forensics and Incident Response (DFIR). Hands-on experience in vulnerability assessment, network security, OSINT reconnaissance, and Linux administration, supported by technical reporting and team leadership skills. Seeking a Penetration Testing Internship (available starting late January 2027) to apply offensive security methodologies in real-world environments.

EDUCATION

Mansoura University | Faculty of Engineering
Communications and Computer Engineering (CCE) | Third year
Expected graduation: 2028 | GPA: 3.52 | Grade: Very Good

SKILLS

- Security foundations: vulnerability assessment, manual verification, web security concepts, reconnaissance,enumeration, threat modeling and technical reporting.
- Networking: TCP/UDP, DNS, DHCP, NAT, IP addressing, subnetting/CIDR, network configuration and troubleshooting; Cisco Packet Tracer.
- Systems and programming: Linux, Kali Linux, Windows, Bash, Python, C, C++, Java; HTML, CSS and JavaScript.
- Tools: Burp Suite, Nmap, Wireshark, Hydra, VMware, theHarvester and Subfinder.

TRAINING & CERTIFICATIONS

Penetration Testing Diploma | Instant Academy | Enrolled September 2026
Offensive-security and web/network testing curriculum.
Cybersecurity Academy (Undergraduate Level) | NTI | September 2026
Completed 60 technical training hours plus 12 freelancing hours; completion certificate announced in September 2026.
Top Hero of the Month | Instant Software Solutions | September 2026
Recognition in the Penetration Testing track, announced October 2026.
HCIA-Datacom Training Program | Huawei ICT Academy | August - September 2026
Completed the HCIA-Datacom training program (Huawei ICT Academy, FEMU & ICT Bank); certificate issued.
Cisco Networking Academy
Completed foundational Introduction to Cybersecurity and Networking Essentials modules.
Build with AI: Masr Edition | April - May 2026
Participated in technical workshops and applied AI development sessions; participation/completion certificate.
Bash Scripting Module | Instant | 2026
Completed Instant's Bash scripting module; completion certificate.
Cybersecurity Session | Instant | 2026
Attended Instant's cybersecurity session; completion certificate.
Web Design Training | Mansoura University / ITC | June - July 2025
Hardware & PCB Training | Mansoura Robotics | 2025
C Programming Language | Mansoura Robotics | 2025
Robotics Training (RC Smart Car Project) | Tech Wave | 2025
Graphic Design & AI Workshop | Saber Group Courses Academy | March 2026
Motion Graphics & Graphic Design | CAT Reloaded | 2024

PROJECTS

Security Labs & Practice
Team penetration-testing lab | Four-member team

- Contributed to an isolated virtual-machine lab and team presentation. Personal scope: FTP service enumeration, HTTP reconnaissance and interpreting robots.txt as an information source, not a vulnerability by itself.
- TryHackMe rooms completed: Introductory Networking; What Is Networking?; Networking Concepts; Offensive Security Intro (hands-on with DirBuster); Defensive Security Intro; Inside a Computer System; Linux Modules; Bash Scripting; Careers in Cyber. Ongoing TryHackMe and local VM practice.
- OSINT and reconnaissance exercises, October 2026: Google Dorks, WHOIS, theHarvester and Subfinder.

Engineering, Software & Design Projects

Enterprise network design | Cisco Packet Tracer

Simulated a multi-campus network with departmental VLANs, inter-VLAN routing, WAN connectivity and web, FTP and email servers. Earlier topology work connected routers, switches, PCs, printers and wireless devices.

Wireless gesture-controlled robotic hand

Contributed to programming, circuit implementation, integration and debugging of an Arduino/Bluetooth hand using five flex sensors to mirror hand movements.

Line-following and obstacle-avoidance robot

Arduino-based robot with sensors and autonomous navigation. Related public repository contains C++ code: github.com/Eng-Kareem0/Line-Follower-Obstacle-Avoidance-Robot-

Other engineering and software projects

Smart Home automation system (public Arduino repository on GitHub); capacitor-based battery PCB; Local-Server Banking System application.

Web projects

Personal portfolio and earlier portfolio; S--- Store e-commerce site; Fat Boy Restaurant and Roma Café websites. Portfolio presents responsive web work using HTML, CSS and JavaScript.

Branding and visual design

Naqaa water-brand visual identity and packaging mockups, January 2026; social-media and branding work. Behance: behance.net/kareemalgamal1

ACTIVITIES

Starks MU | September 2025 - June 2026

Hardware Track Supervisor & Head of Graphic Design.

ICPC Mansoura | September 2025 - March 2026

Vice Head of Media Committee.

CAT Reloaded | January 2025 - January 2026

Graphic Design Committee Member, promoted to Graphic Design Supervisor.

Freelance Graphic Designer

Branding, visual identity, UI/UX and social-media visuals; Adobe Photoshop and Illustrator. Two months as Graphic Designer at Review El-Mahalla.

Student leadership/appreciation certificates: CAT Reloaded, ICPC Mansoura and Starks MU; participation in Scope 2025, Nova Event and Career Insider 7.0.

LANGUAGES & INTERESTS

Arabic: native | English: intermediate.

Future learning interests, not completed qualifications: disk, memory, Windows/Linux and network forensics; evidence handling, incident response and malware analysis.