NADA MEDHAT YOUSSEF

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Objective

Artificial Intelligence graduate with a GPA of 3.36 (Very Good), specializing in cybersecurity. Skilled in penetration testing, threat analysis, and AI-powered security automation. Seeking opportunities in cybersecurity or instructional roles in programming and cybersecurity, with a focus on applying technical expertise, teaching experience, and hands-on methodologies to support innovation and knowledge sharing.

Education

B.Sc. in Artificial Intelligence – Cybersecurity
Menoufia University, Egypt
Graduation: 2025 | GPA: 3.36 (Very Good)

Professional Experience

InfoSec Analyst Trainee — DEPI Initiative
Jun 2025 – Dec 2025 (Ongoing) — Menoufia, Egypt

- Hands-on training in security analysis, incident response, and SOC operations.
- Completed labs on **TryHackMe** & **Cyber Defenders** (vulnerability assessment, forensics, threat hunting).

Freelance Tutor – Remote
May 2020 – Present

- Delivered over 300 hours of tutoring in programming and mathematics.
- Instructed more than 30 students, with 90% reporting performance improvement.
- Helped students prepare for competitions.

Coding Instructor – DEMI Project – iSchool
Mar 2024 – Present

- Taught 350+ students.
- Delivered 600+ live instructional hours.
- Provided mentorship and performance tracking to support student growth.

Frontend Developer Intern – Banque Misr
Jul 2023 – Sep 2023

- Built and maintained over 10 Angular UI components for the bank's web platform.
- Participated in Agile sprints, issue tracking, and version control using Git.

Cybersecurity Projects

PentrAI – Graduation Project (Excellent Grade)

- Developed a complete penetration testing framework powered by LLMs (Gemini API).

- Automated vulnerability scanning, exploit execution, and structured reporting.

- Demonstrated and analyzed 10+ real-world vulnerabilities on test environments.

- Integrated AI-driven payload generation, improving coverage efficiency by 50%.

Backdoor Malware and Ransomware Simulation

- Coded custom backdoor malware and simulated ransomware encryption cycles.

- Tested functionality on both Linux and Windows platforms.

- Evaluated AV bypass strategies and response behaviors.

Social Engineering Defense Framework

- Built an internal training and simulation toolkit for social engineering awareness.

- Delivered to two academic departments as part of internal cyber hygiene campaigns.

- Assessed human-layer vulnerabilities and designed mitigation strategies.

Technical Skills

Languages: Python, C++, HTML/CSS
Frameworks: Angular
Tools: Nmap, Wireshark, Social Engineering Toolkit, Git
Systems: Linux (Bash, Admin), Windows
Domains: Cybersecurity, Penetration Testing, Red Teaming, AI in Security

Soft Skills

Leadership | Team Collaboration | Analytical Thinking | Planning | Adaptability | Mentoring

Certifications and Training

- **CyberX World – Red Teaming (2024)**
  Offensive security training and live CTF simulations

- **Red Hat System Administration – NTI (2024)**
  120-hour practical training in Linux system and network management

- **Frontend Development – Rowad Program, Banque Misr (2023)**
  Intensive Angular and Git training with UI/UX focus

- **Cisco CyberOps Training – NTI (2022)**
  Covered risk analysis, threat intelligence, and security operations fundamentals