Omar Essam Said

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Profile Summary

Mechatronics Engineer with a passion for Cybersecurity (SOC Analyst, Web Security) and AI-based smart systems. Currently undertaking professional training in PHP Laravel backend development, Cybersecurity Essentials, Cryptography, SOC Tier 1 labs, and ITIDA Freelancing Course. Skilled in backend development with PHP/Laravel, penetration testing basics, and OWASP security principles. Seeking a remote or entry-level cybersecurity or backend developer role.

Key Skills

- SOC Monitoring & Incident Detection (Tier 1)
- Bug Reporting & Exploratory Testing (Test IO)
- PHP & Laravel Backend Development
- Network Security Fundamentals
- Penetration Testing (OWASP Top 10)
- AI & Image Analysis for Smart Systems
- MySQL Database Management
- Risk Analysis & Critical Thinking

Education

B.Sc. in Mechatronics Engineering
Mansoura University, 2018 – 2023
Graduation Project: AI-Powered Smart Greenhouse

- Designed AI-based image analysis for plant health monitoring.
- Developed logic to detect plant color changes and anomalies to automate water and temperature control.

Experience

Backend Developer Trainee
Fassla Company, Nasr City | Ongoing

- Building and maintaining backend systems using PHP and Laravel framework.
- Working on REST APIs and MySQL database integration.

Professional Training

- **Cybersecurity Essentials**
  Cisco Networking Academy | In Progress
  - Studying network fundamentals, cybersecurity threats, and defensive strategies.
- **Cryptography**
  Stanford University (Online) | In Progress
  - Learning encryption algorithms, digital signatures, and secure communication protocols.
- **SOC Analyst (Tier 1) Labs**
  TryHackMe | In Progress
  - Hands-on labs covering log analysis, incident detection, and threat hunting.
- **Bug Reproduction & Exploratory Testing**
  Test IO | Ongoing
  - Reproducing and reporting security and functional bugs.
- **ITIDA Freelancing Course**
  Accepted & In Progress
  - Intensive training on freelancing platforms, remote job applications, and client communication.
  - Required to apply and secure remote jobs as part of program completion.

Languages

- Arabic (Native)
- English (B1)