Ahmed Adel Emad

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Profile

I am a senior IT student at the Faculty of Computers and Artificial Intelligence at Cairo University, specializing in cybersecurity. With experience as a penetration tester and bug hunter

Education

Bachelor's degree, Computer Science   09/2020 – 06/2024
Faculty of Computers and Artificial Intelligence at Cairo University

Skills

Python, C++	HTML, CSS, JavaScript
Object-oriented programming (OOP)	MySQL
Data Structures and Algorithms	Networks
Web Pen-testing	Git, Github

Projects

Student affairs website
Web application: Built the main pages using HTML, CSS, and AJAX calls. Backend functions were written using Python Django Framework, and client-side validations were done using JavaScript.

Parking Garage System
System: Developed a parking garage system in Java that manages a configurable maximum number of vehicles. Each parking space is defined by dimension and can use FIFO or Best Fit parking approaches. The project applied OOP concepts, SOLID principles, and design patterns to create a flexible and scalable system.

ACHIEVEMENTS

Freelance Project
- Performed comprehensive penetration testing on a web application built with Java Servlets .
- Discovered and exploited 18 security vulnerabilities, including XSS, CSRF, SQL injection, information disclosure, and broken access control.
- Successfully mitigated all identified vulnerabilities, significantly enhancing the security of the application.
- Provided detailed reports outlining each identified vulnerability, its potential impact, and the steps taken to mitigate it.

Bug Hunting
HackerOne Platform:
- Discovered and reported 2 Cross-Site Scripting (XSS) vulnerabilities across different programs.
- Successfully identified an Insecure Direct Object Reference (IDOR) vulnerability within Coursera's platform.
Independent Bug Bounty Programs:
- Discovered an IDOR vulnerability within a chess.com website, enabling unauthorized friend additions.
- Found two XSS vulnerabilities in an external program:
  - Stored XSS vulnerability led to a zero-click account takeover.
  - Reflected XSS vulnerability, when chained with CSRF, bypassed CSRF token validation

Cisco CyberOps Associate course
Developed proficiency in cybersecurity practices including threat detection, incident response, and network security through comprehensive training. Acquired skills in security policies and relevant cybersecurity technologies, establishing a robust foundation

Solved labs in PortSwigger
Participated in the PortSwigger labs and successfully solved 130 web security labs.

Solved most CTF in HackerOne 101
Participated in the HackerOne CTF competition and successfully solved multiple web security challenges. Demonstrated dedication to continuous learning and development in the field of cybersecurity.

Educational Resource book
Studied "zseanos-methodology" by zseano, refining my bug hunting skills and gaining valuable insights into effective bug bounty hunting strategies. Implemented learned methodologies to streamline my approach, deepen my understanding of bug exploitation, and enhance my toolkit for identifying vulnerabilities in real-life websites.

Certificates

- CyberOps Associate ⧉
- Cisco Cybersecurity (NTI) ⧉

Languages

English
Professional Working Proficiency

Arabic
Native