

Omar Eldanasoury

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Summary

Enthusiastic and self-motivated senior computer science student with strong analytical skills, problem-solving skills, communication skills, and adaptability in challenging environments. I have a keen interest in cybersecurity and ethical hacking; specifically, network, web, and mobile penetration testing.

Certificates

eCPPT, eJPT, CPTS (in progress), ISC2 CC, IELTS Academic 7 (Expired), Google IT Support, Google IT Automation with Python

Skills + Programming/Scripting Languages

Network Security, Web Security, Python, Bash, PowerShell, Security Analysis, Burp Suite, Vulnerability Assessment, Stack-Based BufferOverflow, Java, JavaScript, PHP, Web/Mobile Application Development, Android Development (Java), Cross-Platform Mobile Development (Flutter, Ionic)

Projects

1. **Secure Chat Application:** *used Python to implement cryptographic concepts* (Encryption, Hashing, etc) *and algorithms* (AES) in a chat application scenario *with multi-user client/server architecture*.
2. **Bank Network Design and Implementation:** Designed the network and *implemented various network protocols* including: DHCP, FTP, DNS, SSH, Web-Server(s), Syslog, NTP.
3. **University Online Course Registration System:** *Involved applying Software Engineering principles in all Software Development Life Cycle (SDLC) phases*. Users are admins, professors, and students. I used HTML, CSS, JavaScript, AJAX, PHP, MySQL.
4. **Exhibition Management Mobile Application:** Used *Ionic framework and Firebase* to *provide authentication, reservation, event management, and chat functionality* between admin, client, and attendee users.

Experience

SANA For Programming

Software Engineer Intern | 06/2023 - 08/2023

- **Conducted web security testing**, identified, mitigated, and documented critical vulnerabilities including **Stored XSS**.
- **Developed the backend** for a dentist clinic management system using **PHP Laravel**.
- **Designed the database architecture** for an **e-commerce** project.
- **Engaged in client meetings** for requirements collection and process improvement.

Education

University of Bahrain

B.Sc in Computer Science | 01/2025

- **Current GPA: 3.69/4.00** - *Graduation in 4th/Jan/2025*
- **Former Core Team Member** at University's **Google Developer Students Club** (*taught Cybersecurity sessions*)
- Thesis on "Integrating RAG - Gen AI - Technology for Product Recommendation in E-Commerce Mobile Application".

References

Dr. Youssef Harrath | Associate Assistant Professor - **Dakota State University, USA**. [Linkedin Profile](#):

<https://www.linkedin.com/in/youssef-harrath-12847214/>

Links

Personal Webiste and Blog: <https://omardanasoury.me> | [Linkedin Profile](#) + [Github](#) | [TryHackMe](#) + [HackTheBox](#)