

YOUSEF WALEED

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Education

Egypt Japan University

Bachelor of Science in Computer Science

Oct. 2021 – June 2025

Alexandria, Egypt

Relevant Coursework

- Data Structures
- Networks
- Blockchain
- Database Management
- Internet of things
- Digital Forensics
- Ethical Hacking
- Cryptography

Experience

ITI (Information Technology Institute)

Aug 2024 – Oct 2024

Networks and Cyber Security Intern

- Developed a service to automate daily vulnerability scans and penetration testing on internal systems, reducing the time needed to identify and mitigate security risks..
- Created scripts using Python and PowerShell to aggregate log files and test results into organized formats for analysis and reporting.
- Integrated Jenkins for continuous monitoring, automating the deployment of security patches, running tests, and generating detailed daily reports.
- Utilized TryHackMe to practice hands-on cybersecurity concepts, completing labs on network security, web application vulnerabilities, and threat analysis to enhance practical skills.

DEPI (Digital Egypt Pioneers Initiative)

June 2024 – Nov 2024

Networks and Cybersecurity Intern

Cairo, Egypt

- Gained hands-on experience, identifying and mitigating 15+ potential security threats during training, focusing on threat detection, analysis, and mitigation techniques.
- Implemented secure network configurations and monitored network traffic to identify and respond to potential threats.
- Collaborated with a team to design and optimize network infrastructure, enhancing performance and security.
- Successfully completed 4 certifications from Cisco Networking Academy:
 - * CyberOps Associate
 - * CCNAv7: Introduction to Networks
 - * CCNAv7: Switching, Routing, and Wireless Essentials
 - * CCNAv7: Enterprise Networking, Security, and Automation

CyberTalents

Oct 2024 – Nov2024

Digital Forensics and Incident Response Trainee Intern

Cairo, Egypt

- Completed an intensive bootcamp focusing on Digital Forensics and Incident Response (DFIR), gaining expertise in investigating cyber incidents and recovering critical data.
- Developed skills in evidence collection, analysis, and reporting, utilizing industry-standard tools and methodologies.
- Participated in hands-on labs and real-world scenarios to practice identifying, containing, and mitigating security breaches.
- Concluded the internship by joining a Capture The Flag (CTF) competition, Ranked in the top 10% in a Capture The Flag (CTF) competition, solving 5+ complex cybersecurity challenges.

Projects

Implementing Network Security with ACLs and NAT | *Cisco Packet Tracer, Networking Protocols*

Sep 2024

- Designed and implemented a secure network architecture using Access Control Lists (ACLs) to filter traffic and manage access effectively.
- Utilized Network Address Translation (NAT) to safeguard internal network structures by translating private IPs for external communication.
- Incorporated advanced networking protocols, including Spanning Tree Protocol (STP), VLAN Trunking Protocol (VTP), and Port Security, to enhance network performance, prevent unauthorized access, and provide redundancy.
- Focused on efficient traffic management, security optimization, and network scalability through a combination of robust techniques and protocols.
- Hosted project details and implementation on GitHub for reference: [GitHub Repository](#).

- Developed a service that automated daily vulnerability scans, reducing analysis time by 30%
- Utilized Nmap for medium-level implementation to perform network discovery, port scanning, and vulnerability assessment.
- Designed the tool to generate detailed reports, highlighting open ports, running services, and potential misconfigurations for remediation.
- Integrated automation features to streamline the scanning process, enabling periodic scans and reducing manual intervention.
- Focused on improving network security by proactively identifying and mitigating risks through efficient scanning techniques.
- Documentation and code repository hosted on GitHub for future enhancements and reference.

- Developed a forensic analysis tool using Python to investigate various aspects of computer systems, such as network traffic, disk structures, and memory dumps.
- Implemented 10 forensic features, including Network, Disk, Memory, and File Forensics, Email Analysis, Browser Forensics, USB Device Analysis, and more.
- Integrated popular forensic libraries like Scapy for network analysis, Volatility3 for memory analysis, and PyWinEventLog for event log parsing.
- Designed and implemented an intuitive graphical user interface (GUI) using PyQt5 or Tkinter, allowing users to easily interact with various forensic features.
- Utilized Python libraries such as os, shutil, hashlib, and psutil for file system analysis, hash calculations, and process analysis.
- Developed timeline analysis capabilities to combine data from various logs and generate comprehensive investigation timelines.
- Hosted project details and implementation on GitHub for reference: [GitHub Repository](#).

Technical Skills

Programming Languages: Python, PowerShell, Bash, Java, C++.

Cybersecurity Tools: Nmap, Wireshark, Metasploit, Burp Suite, Nessus.

Network Protocols: TCP/IP, DNS, PKI, HTTPS, SNMP.

Access Control: Proficient in implementing and managing ACLs, RBAC, and group policies.

SIEM Solutions: Splunk, ELK Stack, QRadar for log analysis and threat detection.

Vulnerability Management: Expertise in patch management, scanning, and remediation workflows.

Cloud Security: Familiarity with AWS IAM, Azure Defender, and cloud security configurations.

Encryption and Security: Deep understanding of encryption protocols (TLS, IPsec) and endpoint protection.

Network Design: Knowledge of VLANs, NAT, and advanced routing (OSPF, EIGRP).

Soft Skills

Problem Solving: Excellent problem-solving and analytical skills for identifying and addressing security vulnerabilities.

Communication: Strong communication and collaboration skills, working effectively with cross-functional teams.

Attention to Detail: Detail-oriented with a proactive approach to managing cybersecurity risks.

Adaptability: Ability to adapt and learn quickly in fast-paced environments.

Time Management: Time management skills with the ability to prioritize tasks and meet deadlines.

Leadership / Extracurricular

Member, HR Club, Egypt-Japan University | September 2023 - Present

Participated in organizing events and workshops to enhance HR skills and career development.

Member, Resale Charity Organization | January 2023 - Present

Contributed to organizing charity events and fundraising activities for community support.

Member, University Cybersecurity Awareness Campaign | March 2024

Contributed to raising cybersecurity awareness through workshops and QA sessions.

Member, Tech Fest Coordination Team | April 2023

Assisted in coordinating tech talks, competitions, and workshops for the university technology festival.

Member, University Sports Team | September 2022 - June 2023

Competed in inter-university sports, University's Football Team..