

# FIRAS FREIDI

## CYBERSECURITY DEVELOPER

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### PROFESSIONAL SUMMARY

Motivated and technically skilled Cybersecurity and Programming student with a strong foundation in network systems, penetration testing, and full-stack development. Demonstrates a unique ability to merge technical knowledge with problem-solving creativity to deliver secure, scalable, and innovative solutions. Excels in algorithmic thinking, backend development, and process automation. Passionate about advancing in cybersecurity and staying updated with emerging technologies.

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**Address:** Beirut, Lebanon

**Languages:** Arabic (Native), English (Professional), French (Professional)

### EDUCATION

**Bachelor of Engineering in Cyber Security** | University of Arts and Sciences, Lebanon | October 2021 – June 2025

A comprehensive undergraduate program focused on the principles and practices of cybersecurity, combining theoretical knowledge with hands-on experience. Developed expertise in protecting information systems, managing cyber risks, and applying security measures across various digital environments. Prepared to tackle real-world security challenges through rigorous coursework and practical projects.

- Gained solid foundation in network security, cryptography, ethical hacking, and risk management
- Completed multiple projects involving penetration testing, secure software development, and system administration
- Developed skills in analyzing vulnerabilities, implementing security protocols, and responding to cyber threats

### PROJECTS

#### Web Application – Restaurant Management System

- Developed a database-driven web application using Flask and RESTful APIs featuring: interactive pages (Home, Menu, About Us, Contact, Gallery); a dynamic menu with real-time USD pricing; delivery module for order calculation and customer details; table reservation system; and an admin panel for menu management. Technologies: HTML, CSS, JavaScript, Python (Flask), MySQL, Networking

#### Designed a university network with two branches

Implementing DHCP, Inter-VLAN routing, RIP, ACLs, NAT, SSH, VLANs, HSRP, PPP, STP, and EtherChannel. Addressed security threats like port security, MAC table attacks, VLAN hopping, and STP attacks.

- Penetration Testing Project

Conducted penetration testing on a web app using OWASP guidelines, identifying vulnerabilities and recommending fixes.

- System Administration Simulation

Simulated an enterprise network with GNS3, integrating Windows Server (AD, DNS, DHCP), Linux services, and Cisco equipment.

- AI Application – Cardiovascular Disease Detection

Created a Python-based ML model to predict cardiovascular disease risk from patient data.

#### Final Year Project: Self Destructing Data System

Developed a secure data management system in .NET featuring a vanishing mode with three core rules:

1. Details can be viewed only once before automatic deletion from the database.
2. If details are not accessed within a specified time, they are automatically deleted from the database.
3. After multiple failed login attempts, the web application locks out access and automatically deletes the entire database, preserving only an encrypted backup file.

### SKILLS

- Programming Languages: Java, Python, C#, JavaScript

Databases: MySQL

- Frameworks & Tools: Flask, GitHub

- Concepts: OOP, Data Structures & Algorithms, Networking, Linux, Ethical Hacking, Penetration Testing
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