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## Ahmad Mansour

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### Education

#### 42 Beirut

42 Beirut is part of the global 42 Network, a project-based coding school with no teachers or traditional courses, focused on peer-to-peer learning. After successfully completing the intensive "Piscine" bootcamp, I advanced to the core curriculum, where I engage in hands-on coding projects in C programming, Unix systems, and algorithmic problem-solving. In this self-driven environment, I continue to develop strong technical and problem-solving skills while collaborating with peers on real-world challenges.

#### Arab Open University

Bachelor's degree, Computer Science.

2025

Relevant Coursework: Discrete Mathematics, Linear Algebra, Java, Python, Data Structures and Algorithms, Web Technologies.

### Projects

#### 42 projects

- **Minishell**  
A simple shell implementation that handles command execution, pipes, redirections, and built-in commands. Demonstrates deep understanding of Unix processes and system calls.
- **CPP**  
Developed multiple C++ applications demonstrating proficiency in object-oriented design, memory management.
- **Libft**  
Custom C library implementing standard library functions from scratch. Foundation project that strengthens understanding of memory management and string manipulation.
- **Printf**  
Recreation of the printf function with support for various format specifiers and flags. Focuses on variadic functions and formatted output handling.
- **So Long**  
2D game developed using MiniLibX graphics library. Player navigates through a map collecting items while avoiding obstacles. Implements basic game mechanics and graphics rendering.

#### Personal projects

- **Spring boot student management**  
This project is a simple Student Management System built with Spring Boot, Spring JDBC, and an H2 in-memory database. It demonstrates basic CRUD operations using a RESTful API.  
<https://github.com/ahmadmnsur/spring-boot-student-management>
- **Encryption java program**  
This Java project provides a simple user authentication system combined with a basic encryption utility.  
[https://github.com/ahmadmnsur/Encryption\\_program\\_java](https://github.com/ahmadmnsur/Encryption_program_java)

### Skills

#### Technical:

- **Programming Languages:** Java, Python, C
- **Frameworks & Tools:** Spring Boot, Spring Framework, Maven, Git, Github.
- **Technologies:** HTML, CSS, PostgreSQL, MySQL.
- **Concepts:** Data Structures, Algorithms.

**Language:** native Arabic speaker and intermediate in the English language.

## **Activities**

- **Public Speaking Session - CMA CGM Beirut**

Attended a professional public speaking session at CMA CGM Beirut, enhancing my communication and presentation skills.

- **Hackathon Participant - 42 Beirut & Blackbox.ai**

Collaborated with a team in a hackathon hosted by 42 Beirut and Blackbox.ai. Developed both a browser extension and a website designed to assist programmers in their coding tasks.

- **Participant - Arab Conference on Volunteerism**

Awarded a certificate for active participation in a three-day event, including workshops in civil defense, first aid, fire safety, and large-scale tree planting.

## **Certifications**

- **42 Beirut certificate of participation**
- **Java certificate (Hacker Rank)**