
Ahmad Mansour

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Education

42 Beirut

Part of the global 42 Network, a project-based coding school focused on peer-to-peer learning. Completed the intensive “Piscine” bootcamp and advanced to the core curriculum, working on hands-on projects in C, Unix systems, and algorithms while building strong problem-solving skills through collaboration.

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

- **Webserver**

Built an HTTP/1.1 web server in C++ with static file serving, CGI, and keep-alive. Packaged the entire project into a single Docker container and published on Docker Hub.

- **Inception**

Deployed a WordPress stack with Nginx and MariaDB using Docker Compose on AWS EC2. Configured volumes, and networks for persistence and reliability.

- **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.

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

Skills

Technical:

- **Programming Languages:** Java, Python, C
- **Frameworks & Tools:** Docker, 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.