

# OMAR AHMED

## STUDENT AT EPITECH



Check out my Web Site for links

<https://portofolio-website>

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[github.com/omarcodes022](https://github.com/omarcodes022)

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First-year EPITECH student passionate about AI and software development, seeking a 4-6 month internship starting June 2025.  
Eager to contribute to innovative projects while expanding technical expertise and learning new technologies.

## EDUCATION

### EPITECH

Aug 2024 – May 2029

Programme grande école(BAC+5) a EPITECH STRASBOURG

- **Courses:** Unix system, Graphical programming in C, Networks and systems
- **GPA:** 4.0/4.0
- **Programming langs:** C, C++, PYTHON

### AIX-MARSEILLE Université

Aug 2023 – May 2024

Programme Protail Rene-Descartes

- **Courses:** Data Structures & Algorithms, Linear Algebra, Intro to Engineering
- **Programming langs:** JAVA, PYTHON
- **Activities:** Coding Club

## PROJECTS

### UNIX SYS COMMANDS

Implemented a project in C to replicate and explore the functionality of core Unix commands such as **sudo**, **top**, and **printf**.

- Developed custom versions of these commands to understand how they work under the hood, focusing on system calls and command-line behavior.
- Simulated real-world file system navigation and text formatting, using these commands as practical examples.
- Debugged and optimized the implementation for accuracy and efficiency, ensuring realistic functionality.

### Graphical Programming in C

Built a graphical shooting game using the Simple and Fast Multimedia Library (**SFML**) in C.

- Designed and implemented core gameplay mechanics such as a player-controlled shooter, enemy movements, and scoring systems.
- Added features like animations, collision detection, and responsive event handling to create an engaging user experience.
- Focused on performance optimization by utilizing efficient rendering techniques and managing resources effectively.

### Advent of Code

- Solutions for the competitive programming challenge Advent of Code, Python and C
- Used Advent of Code to teach 10+ students programming as President of the Coding Club

## SKILLS

- **Languages:** ARABIC, FRENCH, ENGLISH
- **Programming Languages:** C, C++, Python, Java, Go, BASH.
- **Interests:** FPL (1x Top 10k Finish), PADEL & FOOTBALL