

# Aya Awad

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## Summary

A goal-oriented Computer Engineer with high interest and motivation towards learning new skills. Collaborative and focused on teamwork with great qualifications.

## Education

### Beirut Arab University

Debbieh, Lebanon

2022 - Expected Graduation 2026

## Skills

- Programming languages including C, C++, Java, Python
- Database Management with MySQL
- Networking, TCP/IP Stack and IoT protocols.
- Basic AI Concepts and Neural Networks
- VHDL for digital systems design
- Kali Linux and Windows OS, cybersecurity principles
- Good knowledge of algorithms and dynamic programming
- HTML, CSS, JavaScript

## Personal Projects

### Hospital Management System Database

*Role: Database Developer, 2024*

Designed and implemented a comprehensive database for managing hospital operations, utilizing SQL and a responsive website using HTML, CSS, and JavaScript.

### Car Rental System - Java

Role: Software Developer

*Developed a desktop application using Java for managing car rental operations. Implemented features like inventory management, booking system, and customer management. Utilized OOP principles for modular and maintainable code.*

### Stress Management System with IoT

Role: Embedded Systems Engineer

Developed a stress detection system using heart rate and motion sensors to monitor stress indicators. Used MQTT, an ESP8266, and a Raspberry Pi to develop a full, communicating IoT system that fully demonstrates the system's capabilities. Also integrated the system with a simple dashboard using Node.js and Python to visualize stress metrics and alert logs.

## Hobbies and Interests

*Technology trends  
Coding competitions  
Cruising*

## Languages

*English: Fluent  
Arabic: Native*