

# HUSSEIN MOUSSA ALSAWANI

## Computer Engineering Technician

moussa.sawany@gmail.com • Hussein Elsawani • Sayed Hadi Highway

### Summary

Motivated and detail-oriented Computer Engineering student at the Lebanese International University, with a strong foundation in networking, embedded systems, and software development.

Passionate about hardware design, IoT, and web development, with hands-on experience in Arduino, Raspberry Pi systems. Seeking an internship opportunity to apply technical expertise in a professional setting and further develop my engineering skills.

### Experience

#### Telecom Field Technician

Beirut, Lebanon

2022

- Installed and aligned satellite TV and internet systems in residential and commercial settings.
- Diagnosed and repaired connectivity issues for fixed internet and satellite links.
- Assisted in laying and configuring fiber-optic lines; performed signal tests and maintenance.
- Collaborated with senior engineers on large-scale deployments.

### Education

#### Lebanese International University

Beirut, Lebanon

Bachelor of Science in Computer Engineering | GPA: **2.9** / 4.0

2022 - 2025

- President's List: Spring 2024-2025

### Skills

Programming & Web Development: Java • PHP • SQL • HTML • CSS • JavaScript • React • Python • Octave

Networking & Systems: TCP/IP • Wireless Communications • IoT

Operating Systems: Windows • Linux

Hardware & Embedded Systems: • Arduino • Raspberry Pi • Microcontrollers • Digital Logic Design

Software & Tools: Proteus • VMware • LTspice • Microsoft Office • VSCode • XAMPP • Pycharm • LabView

### Projects

#### Amazon Website Clone

Designed an e-commerce platform to store and manage items

#### Weather Website

Integrated real-time weather data retrieval for accurate updates

#### Fitness Tracker

Developed a fitness tracking system for monitoring workouts

#### Led Delay System Using Arduino

Implemented a timing delay system using Arduino

#### Smart Vending Machine with ESP32 and Web Interface

Built a WiFi-connected vending machine using ESP32 that interacts with a MySQL database. Developed a PHP-based web system for managing orders, item restrictions, and real-time status updates.

### Languages

English Proficient ●●●●●

Arabic Native ●●●●●