ALI GHOSSON

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PROFILE

Enthusiastic and detail-oriented Computer Engineering student with a strong foundation in both software development and hardware engineering. Passionate about designing and implementing innovative solutions that integrate software and hardware seamlessly. Experienced in web development, embedded systems, and circuit design. A versatile team player capable of solving complex technical challenges across multiple layers of technology

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SKILLS

- **Programming Languages:** C++, JavaScript, PHP, HTML, CSS
- **Frameworks & Tools:** React, MySQL, Arduino, ESP32.
- **Soft Skills:** Problem Solving, Teamwork, Leadership, Communication
- **Languages:** English, French, Arabic, Spanish

PROJECTS & EXPERIENCE

GRADUATE ENGINEER PROJECT (FEB 2025 – MAY 2025)

- Developed a portable safety device using Arduino Mega and ESP32 for real-time communication and health monitoring.
- Implemented LoRa-based messaging and GPS tracking, integrated dual 4x4 keypads, a 16x2 LCD, a buzzer with mute control, and an emergency HELP button.
- Designed a complementary ESP32-based bracelet to monitor heart rate (MAX30102), temperature, and humidity (DHT11), with real-time OLED display.
- Enabled wireless data transmission between the bracelet and the main unit via ESP-NOW.

FREELANCE & PERSONAL WEB DEVELOPMENT PROJECTS (2024 – PRESENT)

- Built fully responsive websites using HTML, CSS, JavaScript, PHP, and React.
- Developed custom backend systems using PHP and MySQL for user authentication, data storage, and API interactions.
- Collaborated with clients to understand requirements, troubleshoot issues, and deliver tailored solutions.

EDUCATION

Bachelor of computer engineering   (2022-2025)

- School of engineering │ lebanese international University
  GPA: 3.3 / 4.0

Certifications & Courses

- [Developing Front-End Apps with React]   [coursera] (2024-2025)
- [Computer Hardware and Software]   [coursera] (2025-2025)
- [Connect and Protect: Networks and Network Security] [coursera] (2025-2025)
- [The Arduino Platform and C Programming [coursera] (2025-2025)