

# Hanin Itani

Beirut, Lebanon

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## Objective

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**Computer Engineer** with a strong foundation in software development and embedded systems, with experience as a **Generative AI Engineer**. Skilled in designing intelligent systems, building automation workflows, and integrating Large Language Models (LLMs) into real-world applications. Passionate about leveraging both engineering and AI expertise to deliver scalable, innovative solutions.

## Education

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### Beirut Arab University

*Bachelor in Computer Engineering*

**GPA: 3.81**

2020 - 2025

## Work Experience

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### EDM - Software Solutions S.A.L

*Generative AI Engineer*

Aug 2025 – Oct 2025

Beirut, Lebanon

- Designed and deployed autonomous AI agents and n8n workflows integrating APIs, FastAPI microservices, and vector databases.
- Implemented LLM-driven retrieval and reasoning systems using RAG pipelines and prompt-engineering strategies.
- Built modular backend components with Dockerized environments for scalable deployment.
- Applied LangChain for structured knowledge orchestration and workflow automation.

### EDM - Software Solutions S.A.L

*Customer Support Specialist – Odoo Functional Department*

Jun 2025 – Jul 2025

Beirut, Lebanon

- Support clients on Odoo ERP, handling system setup, troubleshooting, and user training.
- Configured solutions based on business needs and coordinated with technical teams.

### IBC Solutions S.A.L

*Technical Intern*

Jun 2023 – Jul 2023

Beirut, Lebanon

- Developed document-handling services using Java and Base64 encoding.
- Collaborated on microservice components and internal API integrations for system expansion.

### Beyond Learning

*Youth Programs Educator – Senior Position*

Jul 2022 – Present

Beirut, Lebanon

- Led educational programs fostering teamwork, communication, and problem-solving among youth teams.

## Skills

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**Programming & Development:** *Python (NumPy, Pandas, Tkinter), Java, SQL, C, JavaScript, HTML, CSS, PHP*

**AI & Data:** *Large Language Models (LLMs), Prompt Engineering, Semantic Search, Vector Databases (Qdrant), Machine Learning Basics*

**Automation & Tools:** *n8n, FastAPI, Docker, Tableau, Git*

**ERP Systems:** *Odoo (Functional Support & Configuration)*

**Hardware:** *Raspberry Pi, Arduino, ESP32*

**Soft Skills:** *Problem Solving, Decision Making, Adaptability, Communication, Time management, Teamwork.*

## **Projects**

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### **WE RESCUE – Wireless sensor network Enabled Remote Emergency System for Crisis Utility and Exploration**

*Team project (4 months)*

- Developed an innovative disaster recovery robot system enabling communication in inaccessible areas.
- Programmed ESP32 mesh networks for strong connectivity without infrastructure.
- Implemented YOLO v7 for real-time object detection and human identification.
- Integrated Python-based image and data processing on Raspberry Pi for mapping and system control.

## **Achievements & Awards**

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### **HTML, CSS, and JavaScript for Web Developers:**

*Coursera, Aug 2024*

- Completed an online course authorized by Johns Hopkins University.

### **WE RESCUE Award:**

*LAU, Apr 2024*

- Awarded First Prize in the D.A.R.E competition among Lebanese universities.
- Recognized for innovation in emergency response and wireless sensor networks.

## **Languages**

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**Arabic:** *Native Language*

**English:** *Fluent*