

Hussein El Saadi

Data Engineer | Data Science Graduate

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Profile

Data Engineer with hands-on experience building **scalable data pipelines**, deploying **ML solutions**, and integrating **cloud infrastructure** (AWS, Docker, Terraform). Strong foundation in **NLP** and **Deep Learning**, proven through projects deployed on **Hugging Face Spaces** and practical internships in **ERP** and AI-driven **chatbot systems**.

Professional Experience

- 07/2025 – 08/2025
Baabda, Lebanon
- ERP Developer (Odoo), Mobile Arts**
During this internship, I worked with the NGO *Zahrat Al Ghaith* to implement **Odoo ERP** systems for small and mid-sized businesses that previously relied on manual process. I gained solid knowledge of **Odoo's functionalities** and its role in **improving municipal and business services**.
- 01/2025 – 04/2025
Beirut, Lebanon
- Data Engineer Intern, MacroVision Tech Agency** ✕
- Completed hands-on training in **AWS, Advanced Python** (including unit testing), **Git/GitHub, CI/CD, Terraform, Docker**, and **AI Agents**.
 - Applied each topic through practical tasks, improving both individual and team-based project execution.
 - Built a **Slack-integrated chatbot** using **AWS Lambda, PostgreSQL**, and **LangGraph AI Agents**, capable of automated decision-making and task categorization.

Education

- 10/2022 – 06/2025
Beirut, Lebanon
- Bachelor Degree in Data Science,**
University of Science and Arts in Lebanon (USAL) ✕
- Developed **strong programming skills**, from foundational concepts to advanced data structures, with additional focus on **deep learning** and **Natural Language Processing**. Maintained a **GPA above 3.2**, and consistently excelled in technical coursework.

Projects

- 02/2025 – present
- Codingo, Smart AI-Powered HR Interviewer System** ✕
- Developed an **AI-driven HR interviewer** platform capable of conducting **end-to-end interviews** based on recruiter requirements and candidate resumes, with live interactive sessions. Deployed on **Hugging Face Spaces**, integrating multiple AI models for **text-to-speech (Bark TTS)**, **speech-to-text (Faster Whisper)**, and **context-aware question generation (Mistral)**. Implemented a **Retrieval-Augmented Generation (RAG)** approach to dynamically retrieve and deliver relevant interview questions in real time.
- 02/2025 – 06/2025
- HYH-GYM, Advanced Gym Website** ✕
- Built an interactive gym website in two phases: first focusing on the **frontend (HTML, CSS, JavaScript)**, then transitioning to **Flask** for **backend** logic. Added features for both admins and users, including authentication with **Flask-Login** and a **PostgreSQL** database.

Skills

Python | Flask | Deep Learning | Natural Language Processing | AWS | Terraform | Git/GitHub |
Power BI | Programming | Statistical Modeling | Time Series and Forecasting | Docker | ML |
Odoos | Business Process Analysis

Languages

English — Fluent

French — Proficient

Arabic — Native/Bilingual

Portuguese — Conversational