

Mohamad Moallem | Data Scientist | Software Developer

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Objective

Enthusiastic and detail-oriented Computer Science graduate with a major in Data Science, passionate about computer vision, machine learning, and data-driven problem solving. Eager to contribute to innovative projects in tech-driven environments where I can apply my technical skills and creative mindset to real-world challenges.

Experience

Software Developer Intern | Salem Group

Aug 2025-Nov 2025, Remote

- Improved the Mehnati platform by adding features, fixing UI issues, and enhancing user experience.
- Investigated a Japanese SEO malware issue, identified infection points, and supported cleanup actions.
- Enhanced SEO by adding structured data, optimizing meta tags, and improving page indexing.
- Debugged API requests and resolved functionality issues across React components.
- Performed performance checks and implemented small optimizations for faster page load.
- Worked independently during coordination gaps and proactively identified tasks to complete.
- Documented technical issues and shared clear detailed reports with the team.

WordPress Developer & Content Optimization Intern | Upgrade Your Game

Jan 2026-May 2026, Remote

PROJECTS

Online Portfolio Website

Dec 2025

- Developed a responsive portfolio website using React, Vite, and Tailwind CSS, featuring project showcase, skills timeline, and dark/light theme toggle. Deployed to GitHub Pages with automated CI/CD pipeline for continuous updates.

SafeWalk AI – Final Year Project

June 2025-Aug 2025

- Developed an AI-powered mobile app for visually impaired navigation by integrating YOLOv8n (indoor mAP@0.5 $\approx$ **0.64**, outdoor $\approx$ **0.51**), MobileNetV3 (**>80%** scene classification accuracy), MiDaS (depth estimation), and EasyOCR (text extraction), with outputs processed via a lightweight rule-based instruction generator; trained and optimized models across diverse datasets and formats (**including custom annotations**) to achieve robust real-time performance.

DIY Website

June 2024

- Built DIY Website using HTML/CSS/JavaScript/Restful API using Python and Flask with database integration using MySQL. The website helps people find relevant crafts providing there videos, general instructions, and materials needed.

Gesture Rock-Paper-Scissors

June 2024

- Created a Rock-Paper-Scissors game that recognizes hand gestures using Python with libraries like **cvzone** and **cv2 (OpenCV)** combining computer vision with interactive game development using real-time image processing.

Crime data visualization

Aug 2024

- Cleaned, transformed, and visualized a governmental crime dataset using Python (Pandas, NumPy, Matplotlib, Seaborn) to extract key insights.

EDUCATION

University of Sciences and Arts in Lebanon

Beirut, Ghobeiry

Bachelors in Computer Science

Aug 2025

Major in Data Science

Relevant Coursework: NLP, Deep Learning, Software Engineering; Operating Systems; Data Science; Machine Learning, Advanced data structures, OOP, Advanced Databases, Data visualization, Web Development.

ADDITIONAL

Technical Skills:

Operating Systems: Windows, Linux(ubuntu)

Programming: Java, Python, Sql, JavaScript,

Data Analytics: Pandas, Numpy, Seaborn, Matplotlib, Tableau

Databases: MySQL, PostgreSql

Machine Learning: Scikit_learn

Deep Learning: Pytorch, TensorFlow

Languages: Fluent in Arabic; Conversational Proficiency in English(C1)