

Mohamad Moallem | Data Science Graduate | Software Developer intern

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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

Aug 2025-Present

Salem Group

- 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 reports with the team.

PROJECTS

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 helped people find relevant crafts providing there video tutorials, 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

- Imported a crime dataset from a governmental website cleaned it, transformed , and visualized the data for insights using traditional data science libraries numpy, pandas, seaborn, and matplotlib extracting valuable insights of frequent crime areas, police officers on duty, times of crime being reported, and general crime rates in the city.

Banking system(java)

May 2023

- Created a fully functional banking system using object-oriented programming in java where the worker at the bank would login to the system enter the users info allowing him to deposit, and withdraw money from that account as well as transfer money from one account to another as well as make payments to external entities.

EDUCATION

University of Sciences and Arts in Lebanon

Beirut, Ghobeiry

Bachelors in Computer Science

June 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)