

## Abdullatif Halabi

Email: [Abboudeh.hb12@gmail.com](mailto:Abboudeh.hb12@gmail.com)

Phone: +96171785183

LinkedIn: [www.linkedin.com/in/abdullatif-halabi](https://www.linkedin.com/in/abdullatif-halabi)

GitHub: <https://github.com/Abdullatif-Halabi>

## Summary

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I am a recent graduate with a Bachelor's degree in Physics from LU, Lebanon, and I have a strong passion for AI and machine learning. Over the past six months, I have been dedicatedly expanding my knowledge in Python and AI through many courses from different sources. My goal is to build a robust CV and portfolio while actively seeking an internship opportunity to apply my skills and contribute to real-world projects.

## Education

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### DataCamp

January 2024 - Present

- **Data Scientist with Python Track**

Undertaking a comprehensive track on DataCamp titled "Data Scientist with Python," aimed at equipping myself with essential skills for a career in data science. This track covers a wide range of topics, from data manipulation to machine learning, using Python. By completing this track, I will earn a certification from DataCamp.

- **SQL Fundamentals Track**

Currently pursuing the "SQL Fundamentals" track on DataCamp to gain fundamental SQL skills for interacting with and querying data. Through hands-on exercises, I'm learning SQL basics, including structuring and querying relational databases, summarizing and joining tables, and using window functions and built-in PostgreSQL functions for data analysis. Upon completion, I will earn a certification from DataCamp.

*My portfolio on DataCamp : [Here](#)*

### AUB Lebanon

July 2023 - Dec 2023

#### Computation and Programming using Python

This course at AUB provided a foundational understanding of computation and programming using Python. Topics covered include algorithms, data structures, functions, and problem-solving techniques, equipping me with essential skills for computer science and programming.

[Certificate](#)

### Zaka.ai Lebanon

May 2023 - Sep 2023

#### Artificial Intelligence Certification - Machine Learning specialization

A full course with certification covering Data science cycle, machine learning and deep learning, all necessary libraries in Python and the mostly used algorithms for real-world problems and projects.

[Certificate](#).

### Data Analysis with Excel

Apr 2023 - June 2023

Course at **CIS**: talking about the different data types with their uses, the convenient visualization and statistical analysis for every kind of problem, data cleaning and insights extraction.

[Certificate](#)

### English Training Course

Feb 2023 - Apr 2023

- Finalized an advanced English course done by SHIFT Innovation Hub.
- Developed strong oral communication skills through intensive speaking practice sessions and listening comprehension exercises.
- Enhanced written communication skills through rigorous writing assignments, including essay composition, report writing, and professional email drafting.

### Lebanese University 3rd branch, Tripoli, Lebanon

Oct 2018 – Dec 2022

B.S. in Pure Physics.

## Professional/Project Experience

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### Zaka.ai - Capstone Project: Auto Annotation Segmentation Pipeline

#### Project Overview:

- Developed an efficient image segmentation and labelling system using YOLOv8.
- Streamlined object segmentation and labelling, enhancing accuracy and usability.

#### Key Highlights:

- Utilized YOLOv8 for precise object segmentation.
- Created an intuitive web-based interface for user interaction.
- Improved the quality and usability of segmentation masks.

#### Technologies and Tools:

- Backend: FastAPI, SageMaker
- Frontend: React.js
- Models: YOLOv8x-seg for segmentation

#### Achievements:

- Streamlined and automated the object segmentation and labelling process.
- Developed a user-friendly interface for image processing.
- Enhanced the quality and usability of segmentation masks.

**Project Report :**  Automated Image Segmentation and Processing Software Pipeline.docx

### LIT AL MADRASSA (private school)

Oct 2021 - June 2022

#### Physics and Chemistry Teacher

- Taught physics and chemistry for cycle 3 students, and high school students in both English and French.
- Improved students' performance.
- Implemented innovative teaching methods resulting in a 20% increase in students' average scores on physics exams.
- Designing engaging lessons, creating educational materials.

## Skills

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**Tools & Languages:** python, Flask, c, Java, Git/Github.

**Packages:** NumPy, pandas, matplotlib, Seaborn, Scikit-Learn, TensorFlow, Keras, OpenCV.

**Machine Learning:** Statistical Analysis, Linear/Logistic Regression, Random forests, SVM, Deep Learning, Computer vision, Instance segmentation, NLP, seq2seq, CNN, MaskRCNN, RNN, LSTM, GRU, Embedding, Time Series, Clustering, Association, Graph Theory, Regularization.

**Soft Skills:** Negotiator, Team Player, Critical Thinker, Great Listener, Problem Solver.

## Languages & other

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- Arabic: Native, English: Fluent, French: Intermediate
- rewards: Chess Tournament 1st place.
- Interests: Singing, Chess, Writing, Sports (Gym, Swimming, Running), and Reading.