Ali Dbouk

Details

Phone
78 981 076

Email
alihassandbouk1@gmail.com

Links

Github

Skills

OpenCV

Sklearn

Pandas

Numpy

Matplotlib

Langchain

llamaindex

Django (Web Framework)
Computer Vision

Data Extraction

TensorFlow

Visualization

Github

Convolutional Neural
Networks

PyTorch (Machine Learning
Library)

SQL (Programming
Language) Data Visualization

Python (Programming
Language)

Languages

Arabic
● ● ● ● ●

English
● ● ● ● ○

Profile

4th-year Computer & Communication Engineer at Lebanese University, specializing in machine learning and data engineering (PyTorch, Langchain, sklearn).

Employment History

REMOTE INTERNSHIP, DAVID labs
JUL 2023— AUG 2023 ⦿ Paris

- Applied AI to streamline banking system operations • Enhanced data extraction through using Gemini.
- Utilized AI to simplify complex database management tasks • Increased output of data extraction from PDFs with Gemini API.
- Created chatbot to answer previously asked questions.

REMOTE INTERNSHIP, CNRS
JAN 2024— Present ⦿ Beirut

 - Implemented image preproccessing stack for raw satellite images
(Image registration, Pan-sharpening, Tilling, Masking, Mosaic)
Researched Super Resolution of satellite images using deep learning techniques

Explored visual language models for satellite images

FREELANCE, Freelance
Sep 2021 — Present

- Designed and developed a functional web-based marketplace with Django .
- Implemented features such as online product addition and user authentication for clients.
- Designed and implemented a chatbot system for the ULFG 3 student council, enabling the extraction of data from various university documents such as PDFs and Excel sheets.

Education

Lebanese university faculty ofEngineering
Oct 2020 — Jan 2025 ⦿ Beirut

- GPA 3.9/4
- Student Council Board Member
- AI Community Board Member

Projects

Real-Time object size detection

Engineered an application utilizing OpenCV and Python to assess real-time object sizes.

Object Detection with Faster R-CNN

- Engineered an object detection system using PyTorch and the Faster R-CNN (Region-based Convolutional Neural Network) model.
- Deployed the model to detect and localize objects in real-world images, showcasing expertise in computer vision and deep learning with PyTorch.