




Dhia Dahmeni

@ dhiadah@gmail.com |  LinkedIn |  GitHub |  Portfolio

WORK EXPERIENCE

Ivy

Core Contributor

- Implementing functions from popular ML libraries
- Research to implement a system for code conversion

Remote

April 2023 – Present

Freelancer at Upwork | [Profile Link](#)

Software/ML Engineer

- Building Django backend app with infrastructure
- Implementing SOTA TTS research and construct TTS systems

Remote

April 2023 – Present

Lokafy

Full Stack Engineer

- Fixed and refactored an internal Parsing system
- Built a Scraping system to minimize api costs
- Refactored major parts of the product
- Worked in collaborative environment with an international team

Remote

May 2022 – Sep 2022

PROJECTS

Car Detector V2.0 | [Link](#)

Technologies: Python/Fastapi/Fastai/Huggingface

- A full rework of Car detector v1.0
- Car extraction model based on Yolov5 enabling multiple cars in a picture and car/no car verification
- A custom model based on pretrained resnet with tuned hyperparameters
- Advanced Data Cleaning
- Asynchronous API using FastApi
- Full custom inference pipeline

Car Detector V1.0 | [Link](#)

Technologies: Python/Flask/Pytorch/BeautifulSoup/ReactJS

- A car brand/model/year/color classifier
- A custom model based on pretrained resnet
- More than 20k+ images of cars scraped and labeled
- Full custom inference pipeline
- Deployment of model using docker on bare metal

BTC Time series Forecasting | [Link](#)

Technologies: Python/Tensorflow/Keras/Pandas/numpy/seaborn

- Full Custom RNN-LSTM model for predicting Bitcoin prices
- EDA walkthrough and gathering insights from the provided data

QA BOT | [Link](#)

Technologies: Python/Tensorflow/Keras/Huggingface

- Qa bot based on a Bert to answer questions with a provided corpus
- Semantic search using faiss index

Breakout AI | [Link](#)

Technologies: Python/Tensorflow/Keras/Open AI gym

- RL agent trained on custom deep Q network
- Implementing Deepmind Q-learning paper

Airbnb Clone | [Link](#)

Technologies: Python/HTML/CSS/JS/Shell

- A full-stack Airbnb clone
- Base models for data and custom admin console
- Multiple storage implementation: json files or mysql db
- Unit testing

Simple Shell | [Link](#)

Technologies: C/Linux

- A simple Linux shell clone of sh without using standard lib
- Implementing cd, env, exit as custom commands

Monty | [Link](#)

Technologies: C/Linux

- Implementing Monty bytecode interpreter
- Custom Queue implementation

Custom Printf | [Link](#)

Technologies: C

- Custom Printf function from scratch

SKILLS

Programming: Python, C, JavaScript, Lua, C++, Bash, HTML/CSS, SQL

Technologies: Git, Linux, Docker

Frameworks: Tensorflow, Keras, Pytorch, Huggingface, FastAPI, Django, Vue.js

Developer Tools: Emacs (ftw), (neo)vim, Vscode

Languages: Arabic (Native), English (Professional), French (Elementary)

EDUCATION

Holberton School

Software Engineering/Machine Learning

Tunis, Tunisia

Sep 2021 – Jun 2023

- ML Studies | [Link](#)
- High Level Programming | [Link](#)
- Low Level Programming | [Link](#)
- Devops/System Engineering | [Link](#)
- Applied Math | [Link](#)

High School

Baccalaureat of Computer Science

Tunis, Tunisia

Sep 2017 – Jun 2021