

# Aziz Amari

Machine Learning & Data Science

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Looking for new opportunities

## Experience

### The Sparks Foundation

Remote - 1 month Jan 2023

#### Data Science & Business Analytics Intern

- Successfully built a hybrid stock price prediction model using textual, news headlines, and numerical, times series, data.
- Technologies: Python, Pandas, NLTK, TensorFlow, Matplotlib.

### Hackup - Intern Backend Developer

Remote - 2 months Aug 2021 - Sept 2021

- During this two-month internship I helped develop the Backend services and API's used by HackUp for their developer recruiting platform.
- Technologies: Node.js, express, postgresSQL, Socket.io and Postman.

## Skills

- Python, TensorFlow, OpenCV, Numpy, Matplotlib, Pandas, and FastAPI
- JavaScript, Node.js, express.js, C#, Git, PostgreSQL, MongoDB
- Machine Learning, Software Development, Algorithms and Data Structures

## Education

### Carthage University - INSAT

Tunisia, Tunis sept 2022 - present

#### Preparatory Engineering - Mathematics, Physics and Computer Science

### Startupi

Tunisia, Medenine Dec 2021 - May 2022

Startup incubation program organised by OURGHEMA and funded by the U.S. Embassy.

## Projects

### Handwritten Electrical Schema Recognition - [Full Case Study](#)

- Built model capable of fully understanding a handwritten electrical schema, including connections between components.
- Achieved around 90% confidence in Object Detection.
- Full ML project cycle, from handwriting the dataset to creating a docker image for the API.
- Technologies: Python, OpenCV, Yolov5, FastAPI, Albumentations, Labelling

### Tunisian Stock Market - [Notebook Link](#) - [Dataset Link](#)

- I web scraped time series data from 2010-2022.
- In depth data analysis and stock performance prediction using LSTM.
- Technologies: Python, TensorFlow, Pandas, Seaborn, Scrapy.

[View All Projects](#)

## Competitions

- 3rd place in ML competition by Venari Security and IEEE Ensi SB: Operating system and browser identification in TLS traffic
- Winning team in AVER Hackathon: Augmented Reality project

## Volunteering

- Junior Enterprise INSAT - Member [\(Joined 2022\)](#)
- Tunisian Space Association - AI Team Member [\(Joined 2020\)](#)