

# MARIEM AISSA

Computer Science Engineering Student, Machine Learning Enthusiast  
and highly motivated in seeking out new techniques and technologies to improve human's life

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## Education

### NATIONAL SCHOOL OF COMPUTER SCIENCE (ENSI)

2021 - 2024 📍 Manouba, Tunisia  
National Engineering Degree in  
Computer Science  
Specialty : Software Engineering

### PREPARATORY INSTITUTE FOR ENGINEERING STUDIES OF MONASTIR (IPEIM)

2019 - 2021 📍 Monastir, Tunisia  
Preparatory Cycle Math-Physics

## Languages

English (B2)  
French (B2)  
Arabic (C2)  
Spanish (A2)

## Skills

### PROGRAMMING

Python, C/C++, Java, HTML/CSS,  
Javascript

### FRAMEWORKS/LIBRARIES

React Js, React Native, Django

### DATABASES

MySQL, MongoDB, Firebase

### MATHEMATICS KNOWLEDGE

Statistics, Probability, Linear Algebra,  
Graph Theory

### MISCELLANEOUS

Machine Learning, Deep Learning,  
Data Mining, Git

### OS

Linux, Windows

## Certifications

- Linear Regression with NumPy and Python
- Deep Learning with PyTorch : Image Segmentation
- Build a Data Science Web App with Streamlit and Python
- Object Localization with TensorFlow

## Experience

### Software Engineering Intern With Exposure To Artificial Intelligence OAK visuals

Jul 2023 - Aug 2023 📍 Monastir, Tunisia

- Integrates diverse AI APIs for unified access to AI capabilities through custom shortcuts
- Provides an intuitive interface for managing shortcuts and exploring APIs, accessible even to all users.
- Key words: React Js, SpringBoot, flask

## Projects

### Advanced Brain Tumor Detection System

Sep 2023 - present

- Web-based Solution for Brain Tumor Detection.
- Empowering Early Detection of Brain Tumors Through Cutting-Edge AI Technology.
- Key words: Python,U-NET, Django

### SignSense - Real-time ASL Hand Sign Detection

Jun 2023

- Developed a cutting-edge program for ASL hand sign detection.
- Key words: Python

### Mobile application

Feb 2023 - May 2023

- Designed and developed a school supplies mobile app to simplify the process of collecting and distributing school materials by enabling users to request or donate them.
- Key words: React Native, NodeJS, MongoDB.

### Web application

Feb 2023 - May 2023

- Created a hospital management app for seamless scheduling and efficient doctor coordination.
- Key words: React Js, Node Js, Firebase.

## Activities

- Engineered a COVID-19 analysis project, leveraging advanced pre-processing and modeling for impactful insights.
- Learned the basics of machine learning and deep learning while actively pursuing the development of my skills.
- Completed projects in machine learning with guided orientations, complemented by obtaining relevant certifications on (Coursera).
- Knowledge of the basics of Data Science.
- Took part in the coordination of the 4th edition of RoboCup ENSI.
- Contributed to the organization and successful implementation of the 16th ENSI annual forum.