

# Merieme EL GOUSSAIRI



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## Profile

Versatile Full Stack Developer with teaching experience and a Master's degree in Complex Systems Programming. Quick learner and collaborative team player. Seeking a challenging role to leverage skills and transition into a career in software development.

## Education

### Master degree in IT and modeling of complex systems,

*Sciences and technologies Faculty*

09/2020 – 07/2022 | Settati, Morocco

### Bachelor degree in computer engineering,

*Sciences and technologies Faculty*

09/2017 – 07/2020 | Settati, Morocco

### Baccalaureate in physical and chemical sciences, Doukkala heigh school

07/2017 | EL Jadida, Morocco

## Languages

English	● ● ● ● ●
french	● ● ● ● ●
Arabic	● ● ● ● ●

## Professional Experience

### Computer sciences teacher

09/2021 – present | Casablanca, Morocco

- Designed and delivered comprehensive computer science curriculum, focusing on programming languages, software development methodologies, and problem-solving techniques.
- Facilitated student understanding through interactive lessons, practical exercises, and individualized support.
- Fostered a collaborative learning environment, promoting teamwork and effective communication skills.
- Developed strong organizational and instructional abilities, adapting to diverse learning needs.

### MACHINE LEARNING (internship for end-of-studies project),

*Sciences and technologies Faculty*

03/2022 – 06/2022 | Settati, Morocco

- Focused internship on machine learning development using Python, Keras, and TensorFlow.
- Designed and developed an algorithm for diagnosing cerebral diseases based on brain imaging data.
- Collaborated with a team of researchers to collect and preprocess brain imaging data.
- Optimized neural network models to improve the algorithm's performance and accuracy.
- Conducted rigorous validation of the algorithm to ensure its effectiveness and reliability in diagnosing cerebral diseases.
- Fully documented the development process and experimental results.
- Stayed updated with the latest advancements in machine learning through continuous research.
- Acquired strong skills in data preprocessing and machine learning model development.

### IOT Developer (internship for end-of-studies project), OpenTech

04/2020 – 06/2020 | Casablanca, Morocco

- Integrated an IoT platform for humidity detection, leveraging Node-RED for creating APIs and online services.
- Utilized JavaScript, a browser-based language, to facilitate working with Node-RED.
- Employed MySQL as the database management system (DBMS) for efficient data management.
- Developed a dashboard using Grafana to visualize the collected data.
- Conducted extensive testing and debugging to ensure the reliability and accuracy of the IoT platform.
- Documented the development process, including API creation, data handling, and dashboard design.
- Demonstrated proficiency in IoT technologies, JavaScript programming, and database management.
- Acquired hands-on experience in integrating IoT devices, developing APIs, and working with data visualization tools.

## Skills

**Web development** (HTML/ CSS/ JavaScript/ php),

**A.I** (TensorFlow / Keras / CNN),

**Database** (Mysql / PostgreSql / MongoDB),

**Programming languages** (Python / C / C++/ Java JEE)