# NOUIH
# Omar

DATA SCIENTIST & SOFTWARE DEVELOPER

## CONTACT

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IMM 29 APPT 125 BEN CHAIB BERRECHID

## EDUCATION

**MASTER OF SCIENCE & TECHNOLOGY**
*AI and Data Science*  **(2023 – Present)**
Faculty of Science and Technology, Tanger

**BACHELOR  SCIENCE & TECHNOLOGY**
*Computer Science*
Faculty of Science and Technology, Beni Mellal

**DEUST**
*Mathematics, Physics, Computer Science*
Faculty of Science and Technology, Beni Mellal

**BACCALAUREATE**
*Physical Science*
Ouled Hriz High School, Berrechid

## EXPERTISE

- Python, Java, PHP, HTML, CSS
- Machine Learning
- Algorithms and Data Structures
- Statistical Analysis
- Databases
- Project Management
- Power BI
- Microsoft Office

## CERTIFICATIONS

APRIL 2024 | IBM & COURSERA
**IBM MACHINE LEARNING**

## INTERNSHIPS

**APRIL 2023 - JUNE 2023**
### ROYAL AIR MAROC HEADQUARTERS
**INTERNSHIP**

- Design and development of a chatbot for human resources activities at Royal Air Maroc using the Rasa framework.
- Integration of advanced features such as natural language understanding through SpaCy to enhance interaction with the chatbot.
- Use of Flask to create an API enabling the chatbot to interact with other internal systems and services of the company.

## PRACTICAL EXPERIENCE

**PROJECTS UNDERTAKEN DURING BACHELOR'S:**

- Design and development of a website for managing reservations at a restaurant using HTML, CSS, and PHP.
- Planning and execution of a Project Final Report using MS Project.
- Development of a scientific calculator in Java.
- Design and development of a website for a faculty using Java Enterprise Edition (JEE).
- Design et développement d'un site web pour la gestion des votes utilisant PHP.

**PROJECTS UNDERTAKEN DURING MASTER'S:**  **To date,**

- Development of a graphical interface to run machine learning algorithms using Python.
- Implementation of machine learning methods from scratch using Python.
- Assistance in the development of an application to help farmers identify plant diseases.
- Creation of a specialized chatbot, customized according to a personalized context using French language models: a case study on FSTT.
- Implementation of hashing and indexing functions in Python for optimal efficiency.
- Writing of a scientific article on Artificial Intelligence of Things (AIoT).
- Development of a dashboard integrating AI for advanced data visualization and analysis, using Power BI.
- Implementation of metaheuristic algorithms for optimizing specific problems.
- Development of an application using Kafka and Spark for real-time classification of streaming tweets.

## LANGUAGES

- Arabic: Native
- French: Advanced
- English: Intermediate

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