

# Anas Loutou | Junior Data Scientist & AI Engineer

Casablanca, Morocco

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## Profile

Computer Engineer specializing in **Data Science** and **Artificial Intelligence**. Strong skills in full-stack development, machine learning, and the design of intelligent and robust software solutions. Driven by technical rigor, scientific curiosity, and a strong team spirit, I deliver reliable and impactful AI-powered applications.

## Education

### Chouaib Doukkali University, El Jadida

PhD Candidate — Mathematics and Computer Science

2025 –

### EMSI Marrakech

Engineering Degree — Computer Science and Networks (MIAGE Option)

2019 – 2024

### Rehali El Farouk High School, Marrakech

Baccalaureate — Physical Sciences

2018 – 2019

## Professional Experience

### Marrakech

Internship — Clinique L'Aéroport

Nov 2024 – May 2025

- Developed a complete clinic management system including patient records, appointments, billing, and administrative modules.
- Technologies:** Java, Spring Boot, JavaScript, React, MySQL.

### Casablanca

Final-Year Internship — INRH

Apr 2024 – Sep 2024

- Built an analytical dashboard to visualize fishery indicators for researchers.
- Conducted requirements analysis, UI design, data processing, and integration from multiple sources.
- Technologies:** Power BI, SQL, Talend Open Studio, ETL, MongoDB, Express.js, Node.js, React.

### Marrakech

Application Internship — Clinique L'Aéroport

Jul 2023 – Sep 2023

- Designed an intelligent medical chatbot to assist patients with appointments, symptom management, and communication with medical staff.
- Integrated an NLP model for natural-language understanding.
- Technologies:** Python, Django, TensorFlow, React, MySQL.

### Marrakech

Initiation Internship — INTELLCAP

Jul 2022 – Aug 2022

- Developed an employee management system.
- Technologies:** SQL Server, .NET.

## Certifications

- IBM Data Science — Coursera
- IBM Data Analyst — Coursera
- IBM Java Developer — Coursera
- DevOps, Cloud, and Agile Foundations — Coursera

## Technical Skills

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**Languages & Frameworks:** Python, Java, SQL, JavaScript, Django, Spring Boot, Streamlit

**Data Science & BI:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Power BI, Tableau

**Machine Learning:** TensorFlow, Keras, PyTorch, NLP, LLMs, K-Means

**Databases:** MySQL, MongoDB, Oracle, PostgreSQL, SQL Server, Firebase

**Cloud & DevOps:** Docker, Kubernetes, CI/CD, AWS, Azure, GCP, Jenkins, Bash

**Infrastructure & Networks:** TCP/IP, DNS, DHCP, HTTP/HTTPS, VPN, Linux, Windows Server

**Project Management:** Agile (Scrum), Git, GitHub, Excel, Jupyter Notebook, Google Colab

## Personal Projects

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### Heart Failure Risk & Stay Prediction Dashboard:

- Built a predictive dashboard for mortality risk and hospital stay duration for heart failure patients.
- **Technologies:** Python, Pandas, Scikit-learn, Streamlit, Plotly.

### Air Quality Forecasting Dashboard:

- Designed a forecasting application for air quality using environmental data.
- **Technologies:** Python, Pandas, XGBoost, Matplotlib, Streamlit.

## Soft Skills

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- Problem Solving
- Team Collaboration
- Adaptability
- Curiosity & Innovation

## Languages

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- Arabic — Native
- French — Fluent
- English — Fluent

## Interests

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Artificial Intelligence, Travel, Football