



Aicha Msalek

State Engineer in Data and Artificial Intelligence

- ✉ msalekaicha@gmail.com
- 📅 22 years old
- 🇲🇦 Moroccan
- ☎ +212 655 010235
- 📍 International Mobility
- 🔗 Portfolio :
<https://aichamsalek.github.io/>

SOCIAL NETWORKS

- in @aicha-msalek
- 🐦 @AichaMsalek

PROFESSIONAL SKILLS

Programming Languages

- Python, R, C, Java, Data Analysis Expressions (DAX)

Data Science

- Data Collection, Cleaning and Preprocessing
- Data Visualization
- Machine Learning
- Deep Learning
- NLP
- Predictive Analysis
- Model Deployment

Business Intelligence

- Microsoft Power BI
- Tableau
- ETL Tools

Mathematics

- Probabilities and Statistics
- Advanced Optimization Techniques

Databases

- SQL : MySQL, XAMPP
- NoSQL : Apache CouchDB

Agile Project Management

- Scrum
- Jira

Tools

- Microsoft Access
- Microsoft Excel
- Excel VBA
- VS Code
- Jupyter Notebook
- JupyterHub

LANGUAGES

Arabic

French

Elementary Diploma in French Language (DELF, B2)

English

German

A2

ABOUT ME

Junior Data Scientist and AI Engineer. Passionate about leveraging data and AI techniques to deliver innovative solutions. Actively seeking professional opportunities as a Junior Data Scientist / AI Engineer.

EDUCATION

Engineering Degree : Data Engineering and Artificial Intelligence

From 2019 to 2024 [Ecole Nationale des Sciences Appliquées SAFI](#)

Baccalaureate in Physical Sciences : High Honors

From 2018 to 2019 [High School Al Mutamid Ibn Abbad CASABLANCA](#)

WORK EXPERIENCE

Data Scientist Intern

From February 2024 to June 2024 [Miacorp](#) Tanger

- Context and Business Needs : Collaborate with financial teams to identify challenges related to managing and analyzing financial documents.
- Developed Solution : A web application for the intelligent classification of financial documents and automatic extraction of key informations.
- Skills : *Apache CouchDB - Natural Language Processing - NLTK - Data Cleaning - Text Data Processing - Machine Learning - Supervised Learning - Text Classification - Generative AI - Large Language Models - Optical Character Recognition - Streamlit*

Data Analyst Intern

November 2023 [MeriSKILL](#) stage à distance

Sales data analysis for business decision-making.

- Skills : *Microsoft Power BI - Data Analysis Expressions (DAX) - Microsoft Power Query - Data Cleaning - Data Visualization - Business Intelligence*
- Optimizing HR management through data-driven analysis and visualization.
- Skills : *Python - Microsoft Power BI - Data Analysis Expressions (DAX) - Microsoft Power Query - Data Cleaning - Data Visualization - Seaborn - Matplotlib - Plotly*

Artificial Intelligence Intern - NLP

From July 2023 to September 2023 [3D Smart Factory](#) Mohammédia

Development of an NLP Chatbot for document analysis and data extraction.

- Skills : *Automated Data Collection - Natural Language Processing - Text Data Processing - Data Visualization - Model Training and Fine-Tuning - Hugging Face - OpenAI - Bidirectional Encoder Representations from Transformers (BERT)*
- Organizational Role : Team delegate.

Introductory Internship

From July 2022 to August 2022 [Lydec](#) Casablanca

Digitalization of IT services : Using BMC FootPrints as an IT management solution.

Observational Internship

From July 2021 to August 2021 [Royal Air Maroc](#) Casablanca

Observational internship within the Technical Department of the company.

ACADEMIC PROJECTS

Wildfire Prediction and Burned Scars Segmentation System based on Satellite Images

- Technologies used : *Python - Pandas - Numpy - Matplotlib - Tensorflow - Keras - Deep learning - Image Segmentation - Data Augmentation*

Web Application for Diabetes Prediction

- Technologies used : *Python - Pandas - Numpy - Scikit-learn - Streamlit*

Lung Cancer Detection Using Deep Learning

- Technologies used : *Convolutional Neural Network (CNN) - Python - Tensorflow - Keras - Numpy - Matplotlib - Pandas - Transfer Learning*

Facial emotion recognition using Convolutional Neural Network (CNN)

- Technologies used : *Python - TensorFlow - Keras - NumPy - OpenCV - Matplotlib - Scikit-learn*

Data Manipulation | Visualization in Python : Analysis of Netflix movies and Tv-shows trends

- Technologies used : *Python - Numpy - Pandas - Matplotlib - Seaborn*