Aicha MSALEK

State Engineer in Data and Artificial Intelligence

✉ msalekaicha@gmail.com

⚑ Moroccan

📍 International Mobility

☎ +212 655010235

% aichamsalek.github.io

SOCIAL NETWORKS

in @aicha-msalek

▣ @AichaMsalek

PROFESSIONAL SKILLS

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

Data Analysis
- SQL
- Pandas, Numpy, Dask
- ETL Tools

Data Visualization | Dashboard Creation
- Power BI
- Tableau
- Matplotlib, Seaborn, Plotly

Data Science
- Data Collection, Preprocessing, and Analysis
- Machine Learning
- Deep Learning
- Predictive Analysis

Mathematics
- Probabilities and Statistics
- Advanced Optimization Techniques

Databases
- SQL : MySQL, XAMPP
- NoSQL : Apache CouchDB

Agile Project Management
- Scrum
- Jira

Tools
- Microsoft Excel
- Jupyter Notebook
- JupyterHub
- VS Code
- Github

LANGUAGES

Arabic
Native

French
Fluent (DELF, B2)

English
Fluent

German
Intermediate

State Engineer in Data and Artificial Intelligence, passionate about data analysis and visualization, with a strong ability to transform data into actionable insights. Actively seeking professional opportunities as a Data Analyst / Scientist.

EDUCATION

Engineering Degree : Data Engineering and Artificial Intelligence

From 2019 to 2024 National School of Applied Sciences SAFI

Baccalaureate in Physics and Chemistry : High Honors

From 2018 to 2019 High School Al Mutamid Ibn Abbad CASABLANCA

WORK EXPERIENCE

Data Scientist Intern (end of studies project)

From February 2024 to July 2024 Miacorp Tangier

- 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, NLP, NLTK, Data Cleaning, Text Data Processing, Machine Learning, Supervised Learning, Text Classification, Generative AI , LLM , OCR, Streamlit*

Data Analyst Intern

November 2023 MeriSKILL Remote

- Sales data analysis for business decision-making.
- Optimizing HR management through data-driven analysis and visualization.
  - Skills : *Power BI, DAX, Power Query, Python, Seaborn, Matplotlib, Plotly, Data Cleaning, Data Visualization, Business Intelligence*

AI Intern

From July 2023 to September 2023 3D Smart Factory Mohammedia

- Development of an NLP Chatbot for document analysis and data extraction | *Team delegate*
  - Skills : *Automated Data Collection, NLP, Text Data Processing, Data Visualization, Model Training and Fine-Tuning, Hugging Face, BERT, OpenAI, Streamlit*

Introductory Internship

From July 2022 to August 2022 Lydec Casablanca

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

JOB SIMULATIONS & CERTIFICATIONS

Job Simulations – Data Science & Analytics : March 2025 – Present
Platform: Forage – Companies: BCG, Deloitte Australia
- Conducted data analysis and visualization
- Developed interactive dashboards
- Built and evaluated predictive models
- Produced executive summary reports to support data-driven decisions

ACADEMIC PROJECTS

Data Manipulation and Visualization in Python : Analysis of Netflix Movies and Tv-shows Trends
- Technologies : *Python - Numpy - Pandas - Matplotlib - Seaborn*

Interactive Dashboard for Visual Analysis of Road Safety
- Technologies : *Microsoft Power BI - Microsoft Power Query - DAX - Data Cleaning - Data Visualization*

Web Application for Diabetes Prediction | Data Visualization
- Technologies : *Python - Pandas - Numpy - Scikit-learn - Streamlit - Seaborn - Matplotlib*

Wildfire Prediction and Burned Scars Segmentation System Based on Satellite Images
- Technologies : *Python - Pandas - Numpy - Matplotlib - Tensorflow - Keras - Data Augmentation*

Lung Cancer Detection Using Deep Learning
- Technologies : *CNN - Python - Tensorflow - Keras - Matplotlib - Pandas - Transfer Learning*