

MANESSOURI OTHMANE

KNOWLEDGE ENGINEER & DATA SCINETIST

CONTACT

0636982168

manessouriothmane@gmail.com

SKILLS

- Python, SQL, Flash, Pytest, Playwright
- Java, C, C#
- HTML, CSS, JS, PHP
- Exploratory Data Analysis (EDA)
- Data Cleaning & Preprocessing
- Data Visualisation, Power BI
- ML & Deep Learning
- Numpy, Pandas, Matplotlib, Sklearn, TensorFlow

LANGUAGES

English

French

Arabic

EDUCATION

- **Classes préparatoires Al Khayyam** 2019-2021, Fes
Math Physique
- **Ecoles des sciences de l'information (ESI)** 2021- 2025, Rabat
Ingénieur en connaissances des données

PROFILE

I possess a diverse skill set that encompasses all phases of the data analysis process, from data collection and cleaning to visualization and reporting. My expertise includes not only data preparation but also the application of statistical analysis and predictive modeling techniques to derive actionable insights. I focus on ensuring data accuracy and reliability, enabling effective decision-making and providing a holistic approach to addressing complex analytical challenges.

PROFESSIONAL EXPERIENCE

AI Engineer

Automationworx.io

September 2024-December 2024

- Automated UI and API testing by developing end-to-end systems that ensured robustness and reduced manual effort.
- Designed and deployed an LLM capable of analyzing WSDL files to extract API operations, generate payload templates, and create automated tests.
- Created and executed test cases for LLMs using DeepEval to evaluate model performance and ensure quality benchmarks.

Knowledge Engineer & Datascientist

Les Domaines Agricoles

July 2024-September t2024

- Automated report consolidation, agent performance analysis, and feedback generation using LLMs.
- Scraped Agritech market trends, synthesized analyses with LLMs, and responded to analyst queries using predictive models.
- Conducted automated financial analysis, benchmarked startup performance, and generated investment scores through machine learning.

Knowledge Engineer & Datascientist

Delta Holding

June 2024-July t2024

- Developed an OpenAI chatbot leveraging LLM technology for data-driven interactions.
- Designed and implemented a user-friendly web interface for seamless chatbot access.
- Integrated company-specific data with SQL and conducted model training to optimize chatbot performance and response accuracy.

Freelance :

Upwork

August 2023-October2023

- Scraping And Analyzing the comments produced on Amazon using natural language processing (NLP) and other advanced machine learning techniques.

Intern :

Trésorie Générale du Royaume

June 2023-August 2023

- Analyzed expenditure data from the past twenty years.
- Predicted expenses for the following year using various machine learning techniques, including neural networks, regression, and decision trees.
- Built interactive dashboards using Python to visualize expenditure trends and predictions.

Intern :

Gaming Sekai

July 2022-August 2022

- Designed and developed a website using HTML, JavaScript, WordPress, and CSS.
- Managed project requirements.
- Created an attractive and functional user interface.

MANESSOURI OTHMANE

KNOWLEDGE ENGINEER &
DATA SCINETIST

CONTACT

☎ 0636982168

✉ manessouriothmane@gmail.com

SKILLS

- Python, SQL, Flash, Pytest, Playwright
- Java, C, C#
- HTML, CSS, JS, PhP, React js
- Exploratory Data Analysis (EDA)
- Data Cleaning & Preprocessing
- Data Visualisation, Power BI
- ML & Deep Learning
- Numpy, Pandas, Matplotlib, Sklearn, TensorFlow

LANGUAGES

English

French

Arabic

EDUCATION

- **Classes préparatoires Al Khayyam** 2019-2021, Fes
Math Physique
- **Ecoles des sciences de l'information (ESI)** 2021- 2025, Rabat
Ingénieur en connaissances des données

PROJECTS

- **Cloud-Based Facial Recognition for Classroom Attendance (AWS, Auth0):**

- o Developed and deployed a cloud-based facial recognition system using AWS services (EC2, S3) and Auth0 for authentication to automate classroom attendance tracking.

- o Implemented a secure and scalable architecture capable of processing a high volume of students in real-time.

- o Achieved high accuracy in facial recognition and significantly reduced attendance-taking time.

- **Fruit and Vegetable Recognition Mobile App(Unity) :**

- o Developed a mobile application that identifies fruits and vegetables and provides nutritional information (calories, macronutrients, etc.).

- o Trained a Convolutional Neural Network model on a dataset of images, achieving high accuracy in object recognition.

- o Collaborating with team members using GitLab for version control, project management, and streamlined development workflows.

- **Stock Market Prediction:**

- o Developed a predictive model using a structured analysis approach to forecast stock prices (buy/sell signals) , Utilized time series analysis and achieved very good results backtesting over a specific period for several tickers.

- o Web scraped financial data from various sources and engineered features to capture market trends.

- o Developing interactive dashboards using Python and Power BI to streamline decision-making processes for key stakeholders.

- **Dashboard HyperStore :**

- o Cleaned and transformed data to prepare it for analysis using Power BI.

- o Designed an interactive, country-specific dashboard to support focused decision-making.

- o Visualized key performance metrics, such as revenue, profit, and product trends, for strategic insights.

- **Integrated Pest Management through Data-Driven Classification of Farm Insects, with Emphasis on Orange Canker Culprits :**

- o Developed a classification system using machine learning to identify farm insects, focusing on pests causing orange canker.

- o Collected and engineered datasets featuring insect morphology, behavior, and disease transmission patterns for model training.

- o Integrated the classification model with farm management systems for real-time pest monitoring and decision-making.

- o Conducted educational outreach to train farm personnel on early detection and effective pest management strategies.

ADDITIONAL PROJECTS :

- Artificial Intelligence Instructor for a 7-Year-Old Child
- Designed and developed an application for inventory and table management aimed at profit optimization.
- Automated scraping of various Spotify playlists and music downloading.
- Automated document checking to streamline the work of a document controller.