



# KHOUKHI ANAS

Master's Student in Artificial Intelligence  
and Data Science

## Contact

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## Formation

### ► Master's in Artificial Intelligence and Data Science (in progress)

Mohammed Premier University,  
Faculty of Sciences, Oujda  
10/2023 - Present

### ► Bachelor's Degree in Fundamental Sciences (Mathematics and Computer Science)

Moulay Ismail University,  
Faculty of Sciences, Meknes  
09/2022 - 06/2023

### ► University Degree in General Studies (DEUG) in Mathematics and Computer Science

Moulay Ismail University,  
Faculty of Sciences, Meknes  
09/2018 - 07/2022

### ► Baccalaureate in Life and Earth Sciences

Moulay Prince Abdellah High  
School, Er-Rachidia  
09/2017 - 06/2018

## Langues

Arabe : Native

Français : Fluenat

Anglais : Intermediate (B1)

## Profile

Master's student in Artificial Intelligence and Data Science with a strong foundation in metaheuristics, heuristics, and multi-objective optimization. Proficient in developing and applying advanced algorithms to solve complex computational problems. Passionate about exploring research opportunities that combine optimization techniques and innovative algorithmic approaches.

## Academic Projects

- Multi-Agent System for Rescue Robots (Ongoing)** : Developed a multi-agent system using the JADE platform to coordinate the actions of rescue robots in dynamic environments.
- GRASP Optimization Algorithm** : Implemented a Greedy Randomized Adaptive Search Procedure to solve optimization problems such as the knapsack problem and the traveling salesman problem.
- Alzheimer Detection** : Designed a convolutional neural network to classify Alzheimer's disease from medical imaging data.
- Dietary Chatbot Using Transformer Models** : Developed a chatbot leveraging NLP techniques for personalized dietary recommendations.
- Ransomware Detection** : Conducted data analysis and implemented machine learning algorithms like Random Forest for identifying ransomware attacks.

## Skills

### Technical Skills:

- Metaheuristics and Heuristics**: Proficient in solving multi-objective optimization problems using methods such as GRASP and other algorithmic strategies.
- Programming**: Skilled in Python, MATLAB, and Java; foundational knowledge of algorithmic development in C++.
- Machine Learning**: Experience in developing models for classification, predictive modeling, and adaptive systems.
- Deep Learning**: Familiarity with neural networks, including applications for computer vision and classification tasks.
- Data Integration & Analysis**: Experience in handling structured and unstructured data for modeling and analytical purposes.

### Soft Skills:

- Analytical thinking and problem-solving
- Team collaboration and communication
- Autonomous project management