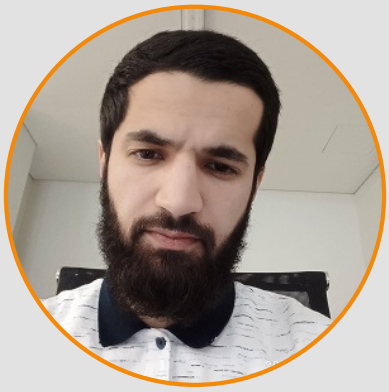

OUHAB MOHAMED ISMAIL

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EDUCATION

Master Artificial Intelligence | USTHB

- September 2021- Present
- Bab Ezzouar, Algeria

License Software Engineering | USTHB

- September 2018- July 2021
- Bab Ezzouar, Algeria

COMPÉTENCES

ML/DL Algorithms | Scikit-learn | Tensorflow | Keras | Python | Numpy | Pandas | Data Engineering | Linear Algebra, Calculus, Statistics | Problem Solving | Logical Thinking | Exploratory Data Analysis | Data Structures | Unit Testing and CI/CD | Regression | Classification | Clustering | OCR | Metaheuristic

SOFT SKILLS

Teamwork and Collaboration | Time Management | Attention to Detail | Written and Verbal Communication

LANGUAGES

À PROPOS DE MOI

Master 2 student in AI, passionate about machine learning looking for opportunities to use my technical knowledge and analytical skills for AI model development and data decision making. I want to apply my theoretical knowledge to practical applications and develop innovative machine learning solutions.

EXPERIENCE

Intern in AI | TAYAL

07 2022 – 09 2022

- Design of an automatic textile defect detection system.
- Design of a system for the optimization of Employee Transportation.

PROJETS

Resume Section Classifier Datathon Haick23

- Conducted exploratory data analysis and used feature engineering techniques to optimize model performance
- Preprocessed and transformed text data from resumes provided by ZSoft to ensure model accuracy
- Developed a machine learning model using natural language processing techniques to accurately classify sections of resumes (Education, Experience, or Skills)

Customer Purchase Prediction for Jumia E-Commerce Datathon Haick23

- Utilized a dataset provided by Jumia containing purchase history of customers over a 3-month period (months 7, 8, and 9), along with purchases made in the next 4 months (months 10, 11, 12, and 1)
- Conducted exploratory data analysis to gain insights into customer purchase behavior and identify potential predictors of future purchases.
- Developed a machine learning model to predict which items Jumia customers are likely to purchase in the next 4 months.
- Utilisation d'algorithmes d'apprentissage automatique tels que Random Forest et XGBoost pour le développement et la formation de modèles.
- Optimisation des performances du modèle par le réglage des hyperparamètres et les techniques d'ingénierie des caractéristiques.

Cancer Inhibitor Identification using Machine Learning Datathon Haick23

- Performed extensive data analysis and pre-processing to prepare the data set for model development and training.
- Using machine learning to identify small molecules as inhibitors of five cancer-related protein targets: LcK, FLT-3, ERBB1, ERBB2 and HDAC1.

English: **Fluent**
French: **Technical**
Arabic: **Native**

- Use of machine learning algorithms such as Random Forest, XGBoost and neural networks for model development and optimization.

Solving Timetable Scheduling Problem Using Parallel Genetic Algorithm.

- Implemented a parallel genetic algorithm for solving timetable scheduling problem using java.
- Used concurrency and multi-thread forparallel genetic algorithm.
- Unit Testing with JUnit.

Employee Attrition Prediction

- Exploratory Data Analysis.
- Data Cleaning.
- Classification and prediction.
- Clustering.

Arabic Manuscript Recognition Processing a Whole Word Image Using Deep Learning.

- Exploratory Data Analysis.
- Image Processing.
- Desing a CNN architecture.
- Using Data augmentation to optimize results.
- Experimentation.

Employee Transportation Optimization with Genetic Algorithm

- Optimization of Employee Pickup Points.
- Route Optimization.
- Optimization of the Starting Point.

Automatic license plate recognition

- Collection and labeling of object detection data.
- image pre-processing.
- Building a deep learning model (InceptionResNet V2) for license plate detection.
- OCR for license plate number extraction.

Email Filtering using Machine Learning |

- Made exploratory data analysis.
- Made data preprocessing (Cleaning and Normalization) with nltk.
- Made feature extraction with TfidfVectorizer.
- Trained different models (SVM, Gaussian, LogisticRegression, KNN)
- Compared and Calculated scoring and metrics of the models

8-Puzzle Solver |

- Implemented different search algorithms such BFS, DFS, A*.
- Implemented Meta-heuristic algorithms (Genetic Algorithm, Particle Swarm Optimization).
- Unit Testing with JUnit.