



# MEKTOUBI ZAKARIA

## Machine Learning Enginner

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### HARD SKILLS

#### Technical Skills

- Programing languages: Python, R,C++
- Frameworks:
  - Tensorflow
  - Kers
  - Scikit-learn
  - NumPy
  - Pandas
  - OpenCV
  - NLTK
- BI tools:
  - MS BI
  - MS SQL Server
  - MySQL
  - Pentaho DI
  - PowerBI
  - Tableau

#### Key Skills

- Deep Learning
- Machine Learning
- Computer Vision
- NLP
- Web Scraping
- Data Mining
- Data Visualisation
- Data Warehousing
- Probability & Statistics
- Business intelligence

### SOFT SKILLS

- Teamwork
- Problem Solving
- Good communication skills

### LANGUAGES

- English : Proficient
- French : Native
- Arabic : Native
- Tamazight : Native
- German: Elementary
- Hungarian : Elementary

### Summary :

Machine learning engineer passionate about cutting-edge technology and solving real-world problems, with previous experience in computer vision, autonomous systems in self-driving cars, Natural language processing, After graduating from **CADI AYYAD UNIVERSITY** as Data Scientist, I decide to start a new adventure by joining **EÖTVÖS LORÁND UNIVERSITY** in order to enhance my skills in the field of autonomous systems.

### Education

- **2020 - 2022 | Master's Degree in Computer Science for Autonomous Systems.**  
Faculty of Informatics, Eötvös Loránd University- Budapest, Hungry.
- **2018 - 2020 | Master's Degree in Data Science.**  
Faculty of Sciences Semlalia,Cadi-Ayyad University- Marrakech, Morocco.
- **2017 - 2018 | Bachelor's Degree in Business Intelligence.**  
College of Technology - Berrechid, Morocco.
- **2014 - 2017 | University Diploma of Technology in Computer Science.**  
College of Technology - SAFI, Marocco.
- **2012 - 2013 | High School Diploma in Mathematical Science.**  
Oum-Hani High School - Marrakech, Morocco.

### Experience

- **Machine Learning Intern, Cady Ayyad University Marrakech, Mars 2020 - Septembre 020**
  - Development of the Meal-Scan application, which provides the recipes of a dish by simply taking a picture of it .
  - Technologies:Python,Beautifulsoup,Pandas,Tensorflow,keras,opencv,Flask,React Native.
- **Data Scientist Intern, Moroccan Interprofessional Retirement Fund Casablanca, july 2019 - Septembre 2019**
  - Developping a BI solution for investment department, to monitor the portfolio, by providing dynamic reports for fund performance.  
Tools:Python,Beautiful Soup,pandas,Flask,Power BI.
- **Business Intelligence Developer, Saham Insurance Casablanca, April 2018 - june 2018**
  - Developping a BI solution for monitoring Bancassurance activity.  
Tools: MS BI (SSIS,SSAS), Power BI.

### Projects

- **Robotics & Ai**
  - Build a Raspberry Pi self-driving car using TensorFlow, Keras, and OpenCV:  
Equipment:
    - Raspberry Pi 3
    - Pi Camera Module
    - Driver Motor dc l298n
    - Robot Car Kit
    - Ultrasonic sensor hc-sr04
- **Computer Vision**
  - Developing an intelligent system based on deep learning techniques in order to predict Pb, Zn and Cu concentrations as well as segmentation, from the mining froth images, to ensure the quality of froth.
  - Developing computer vision models for different image datasets such as MNIST, CAT vs DOG, Facial Keypoints Detection.
  - Developing computer vision model to classify moroccan meals.  
In those projects, I used state-of-the-art Deep Learning techniques, Image processing techniques, Data augmentation, regularization, Convolutional Neural Network, etc.
- **Natural language processing**
  - Named Entity Recognition and Topic Classification of Arabic newspaper Articles  
Tools:Scikit-Learn, NLTK,Beautiful Soup, Regex,etc .
- **Business intelligence**
  - Developping a BI solution based on the Northwind database..  
Tools : Pentaho Server, Pentaho Data Integration, MySQL, PowerBI, XML Mondrian,etc .