



# TALEB Mouad

## Software Engineer

### Aspiring Data Scientist



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## Experience

- **Real-time Health Monitoring with Machine Learning Predictions:** developed a sophisticated health monitoring system utilizing **machine learning algorithms** to continuously track patients' vital signs and forecast potential anomalies in real-time.
- **AI-Powered Job Seeker's Companion:** developed a comprehensive job-seeking application leveraging Artificial Intelligence and Natural Language Processing (**NLP**) techniques to analyze and predict users' employability based on **scraped** job offers from recruiting websites.
- **Image Search Engine with Content-Based Retrieval and Cropping Capabilities:** Developed a Python application using TensorFlow for content-based image retrieval (CBIR) to identify and retrieve similar images of a chosen celebrity; includes a versatile cropper for refined searches based on cropped attire or facial features, providing detailed descriptions and insights. .

## Core Competencies

- **Exploratory Data Analysis & Statistics:** Proficient in EDA, descriptive statistics, and hypothesis testing using Python (Pandas, NumPy, SciPy, Matplotlib) and R.
- **Data Preprocessing & Feature Engineering:** Proficient in data handling and preprocessing techniques, including cleaning, integrating, and transforming raw data for machine learning tasks. Experienced in feature engineering and skilled in dimensionality reduction methods such as PCA and t-SNE.
- **Machine & Deep Learning:** Experienced in utilizing Scikit-Learn and TensorFlow for model design, training, and evaluation. with specialized expertise in diverse domains including **Computer vVision** and **Natural Language Processing (NLP)**. Experienced in applying advanced techniques and methodologies to solve complex problems across a wide range of applications.
- Experienced in using **HuggingFace** libraries like **Transformers** and **Diffusers**
- **Mathematics & Statistics:** Strong foundational skills in mathematics and statistical analysis.
- **Database Management & Administration:** Skilled in Oracle Database Administration, Microsoft Access, SQL Workbench.
- **Web Development:** Advanced proficiency in CSS, HTML, PHP, and JavaScript.
- **Programming:** In-depth knowledge of OOP, Python, UML, C++, and Java.
- **Communication:** Effective communication skills, both written and verbal.

## Voluntary Experience

### Data Science Head, Google Developer Student Club

- Led initiatives, projects, and workshops in data science, machine learning, and deep learning applications.
- Mentored diverse students, offering guidance and hands-on training to enhance skills in machine learning and deep learning technologies.

## Education

**Ecole national des sciences appliquées; Kenitra, Maroc; 2020 – expected in 2025**

State Engineer's Degree in Computer Science

**Lycée AlQods; Salé, Maroc; 2020**

Baccalaureate –Physics; with highest honors

## Languages

English : bilingual proficiency

Arabic : native

French: native