Hicham Eloualji

Machine Learning Engineer .

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Casablanca,   Morocco.

EDUCATION

Master of Civil Engineering - Hassania School of public works, Casablanca
Currently in my final year at EHTP School of Engineering, poised to obtain a Master's degree, showcasing a strong foundation in engineering principles and a commitment to academic excellence in a specialized field.

September 2021 — June 2025

Bachelor's degree, Mathematics, physics, and engineering sciences, CPGE
Successfully completed the rigorous CPGE program, demonstrating exceptional proficiency in advanced mathematics, physics and computer science, and honing analytical and problem-solving skills in a highly demanding academic environment.

September 2018 — June 2021

PROJECTS

Deep CNN Image Classifier

Implemented a cutting-edge *Deep CNN* Image Classifier, demonstrating mastery in advanced *CNN architectures* and deep learning techniques for precise and impactful *image categorization*.

House Price Prediction

Developed a *sophisticated machine learning model* to predict house prices, showcasing expertise in data exploration, feature engineering, and regression models, emphasizing the practical application of ML in real estate valuation.

E-commerce Website

Developed an e-commerce website using the **Flask** Python web framework, integrating a custom **authentication** system and employing **SQL** for efficient storage and retrieval of user **logging** details, showcasing my proficiency in secure web development and **database** management. This approach ensured a robust, scalable platform capable of handling complex user data and transaction logs, enhancing both **security and user experience**.

Sentiment Analysis

Employed advanced *NLP* techniques to analyze and classify emotions in text, using robust data preprocessing and feature extraction methods, and sophisticated *machine learning models*, to provide deep insights into sentiment analysis of text based data.

Algorithm Visualizer

Developed an interactive visualization of the *Bubble Sort algorithm*, offering a step-by-step demonstration of sorting processes with interactive elements to explore comparisons and swaps.

Password Manager

Created a secure password management application using the *Tkinter* library, featuring user-friendly interface for generating, storing, and retrieving passwords, providing a convenient solution for efficient credential management.

VOLUNTEERING

President of the Cultural and Sports Club at EHTP University - Organizer of the Olympiad Events.
Led the largest nationwide extracurricular event as club president, successfully managing **15,000** visitors and **2,500 participants,** securing **sponsorships**, and fostering key relationships, showcasing strong **leadership** and organizational skills.

September 2022-June 2023

CERTIFICATIONS

Machine Learning Specialization, Stanford - Coursera

A comprehensive program offering a deep dive into machine learning, covering Python programming, supervised and unsupervised learning, TensorFlow applications, and practical skills for real-world problem solving.

September 2022

Neural Networks and Deep Learning, DeepLearning.AI

Acquired foundational skills in neural networks and deep learning, encompassing the creation, training, and application of deep neural networks, and an understanding of key neural network parameters, preparing me for advanced AI technology development.

September 2021

BIM fundamentals for engineers

Gained essential skills in creating and manipulating BIM models, and learned effective techniques for retrieving information and using key modeling tools.

November 2021

100 Days of Code: The Complete Python **Pro Bootcamp -Udemy-Dr Angela Yu**

Developed 100 projects spanning web/app development, automation, data science, and machine learning, mastering tools like Flask and Pandas, and built a versatile portfolio showcasing my programming skills.

December 2020

ADDITIONAL INFORMATION

Skills: Mathematics, machine learning, NLP,Flask, data-science, SQL, python, team player.

Interests: Body-building, football, Including AI in every real-world task, Humor.

Language: Fluent in English, French and Arabic(native) .