



MOHAMED BOUTAGHRATINE

Data Science & ML engineering student

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🔗 Portfolio

🌐 LinkedIn

📍 Rabat, Morocco

SUMMARY

I am a data science and machine learning engineering student at the National Institute of Statistics and Applied Economics (INSEA), actively seeking an end-of-studies internship (PFE) to further apply my skills. My passion lies in tackling complex challenges in natural language processing (NLP) and computer vision. I specialize in building efficient ETL pipelines to streamline data workflows, performing advanced text mining for extracting insights from structured and unstructured data.

EDUCATION

NATIONAL INSTITUTE OF STATISTICS AND APPLIED ECONOMICS - INSEA

- Final-year engineering student in DATA SCIENCE 2022 - 2025

PREPARATORY CLASSES FOR PRESTIGIOUS ENGINEERING SCHOOLS - CPGE

- Bachelor's Degree of Physics, Chemistry, and Engineering Sciences 2020 - 2022

PROJECTS

ASK ANY WEBSITE

- Developed an advanced chatbot capable of seamlessly interacting with and extracting information from any website.

IMAGE-TO-JSON: AUTOMATED RECEIPT DATA EXTRACTION

- A robust chatbot that can extract key information from images and output the data in a structured JSON format.

TWITTER DATA AUTOMATION WITH AIRFLOW

- Build a robust data pipeline that can effectively leverage the Twitter API, perform necessary data transformations, and store the final results in an Amazon S3 bucket.

DIAMOND PRICE PREDICTION

- A predictive model for diamond pricing using machine learning: Linear Regression, Decision Tree, and Random Forest.

CREDIT RISK MODELING WITH MACHINE LEARNING

- A credit risk model designed to create a daily scorecard and estimate exposure losses, integrating analyses of Probability of Default (PD), Loss Given Default (LGD), and Exposure at Default (EAD) using Python.

EXPERIENCE

Machine Learning Engineering Intern - 3D SMART FACTORY

Mohammedia, Morocco

- I implemented an intelligent recruitment system capable of evaluating candidates' profiles in a more objective and personalized manner by leveraging artificial intelligence (AI) and natural language processing (NLP) techniques.

Data science intern - Ministry of Economy and Finance

Rabat, Morocco

- I developed a decision-making system to manage competitions within the ministry. This involved creating interactive dashboards in PowerBI for data visualization and implementing prediction and forecasting models.

SKILLS

- **Python Libraries:** Spacy, Keras, Pandas, Seaborn, Tensorflow, OpenCV, scikit-learn, PyTorch
- **Programming&Tools:** Python, SQL, Java, C, R,Jupyter, Excel, Linux, Oracle, PowerBI, SAS, Airflow, SPSS
- **MLOps&autres:** Git/Github, Docker, Méthodologie Agile
- **Autres:** Data visualisation, Séries temporelles, Statistique inférentielle & multivariée, Macroéconomie, Analyse financière

LANGUAGES

Arabic: Native

English: Fluent

French: Fluent