



## Dorra BOUCHARBIA

AI & Data Science Engineering Student

I am an eager explorer in the world of AI and data science, brimming with enthusiasm and a deep-seated passion for technology.

I possess a senior-level proficiency in Python, its libraries and some frameworks, which I leverage to tackle complex challenges in this field.

Continuous learning is a cornerstone of my approach, ensuring that I stay updated with the latest advancements and techniques.

With this blend of motivation, expertise, and adaptability, I'm ready to contribute effectively to any team or project in the realm of AI and data science.

07 53 24 38 94

boucharbiadorra@gmail.com

Île-de-France, FRANCE

Dorra Boucharbia

<https://dorraboucharbia.github.io/>

## Langues

- English (B2)
- French (B2 DELF)
- Arabic (mother tongue)
- Italian (A1)

## Professional experiences

### Asr développement

Internship in Artificial Intelligence

4 July 2024



Until now

Sousse - TUNISIA

During my internship, I integrated artificial intelligence into our Electronic Document Management (EDM/GED) application to automate the suggestion of relevant metadata when users upload files. I developed a system capable of automatically detecting the type of uploaded document, such as an invoice, and analyzing its content to extract important data. The system then suggests appropriate metadata to the user. I designed and implemented a machine learning algorithm that continuously improves based on user feedback. This innovation enhances the efficiency of the document management process and ensures better organization of information.

### Terraform Tunisia

Internship in Data Science

8 April 2024



15 June 2024

Sousse - TUNISIA

I corrected data errors and inconsistencies, combined data from various sources, and prepared it for analysis. I uncovered patterns and trends, using advanced statistical techniques to interpret the data, and created visual representations to highlight key insights. I summarized historical data to predict future outcomes, ensuring accuracy and reliability.

I employed data augmentation to enhance the dataset for training machine learning models. Using the Perceptron algorithm and optimizing hyperparameters with Recursive Feature Elimination and Cross-Validation, I developed a high-performing model that delivers actionable insights.

### Terraform Tunisia

Internship in Web Development

3 March 2024



3 April 2024

Sousse - TUNISIA

Website Development and Maintenance  
Enhancing front-end development  
HTML, CSS, JS  
Performance Tuning  
Responsive Design  
UI/UX Design  
User-Centered Design  
Prototyping, Accessibility, Usability Testing  
wordpress and portfolio development  
Custom Themes and Plugins  
Content Management  
Collaboration and Teamwork  
Project Management Tools  
Communication Skills

### Rapid Poste

seasonal in IT support

1 July 2020



28 august 2020

Kairouan - TUNISIA

Provide IT Support for agents  
Collaboration with the team  
Supervision of automatons (IT group of the Tunisian poste office)  
Communication with clients  
Sending requests for extracting criminal record for clients  
Calls and handling for troubleshooting with agents  
Technical Troubleshooting and call processing  
Checking packages arriving from abroad and their statuses in the system  
Services and Digitalization  
Compliance and Documentation  
System maintenance  
System Administration  
Installation and migration

## Education

### Computer Engineering (AI & Data Science)

ESEO - Higher School of Electronics of the West

2024



Until now

Paris Vélizy - FRANCE

### Computer Engineering

EPI - International Multidisciplinary School

2023



2024

Sousse - TUNISIA

### Computer Engineering

ESIEA - Higher school of automatic electronic computing

2022



2023

Paris - FRANCE

### Preparatory Cycle For Engineering Studies - MP

ESSTHS - Higher School of Sciences and Technology

2019



2022

Sousse - TUNISIA

## Projects

### Cryptocurrency - Finance And Banking Analysis

June 2024

In a focused project on cryptocurrency data analysis using Pandas in Python, I mastered advanced skills in manipulating and analyzing data. Starting with Pandas Series fundamentals, I progressed to in-depth exploration of DataFrame essentials, advanced operations like filtering and merging, and effective data visualization techniques. This project enhanced my ability to handle complex financial and banking data, utilizing Pandas for comprehensive data exploration and visualization.

### Finance With Power BI

May 2024

In this project, I used Power BI for financial data analysis and visualization. I prepared the data with Power Query, established relationships between data files, and created reference tables. I designed intuitive and engaging visualizations and published the report online, also exporting it as a PDF for greater accessibility. This experience enhanced my skills in data analysis, visualization, and report generation with Power BI.

### Real Estate Price Prediction

April 2024

This project uses deep learning to predict home sale prices in King County, USA, focusing on essential features like bedrooms, bathrooms, views, and square footage. It includes rigorous data cleaning, advanced feature engineering, and comprehensive data visualization to optimize model performance and understand market dynamics.

### Healthcare Decision Support System

March 2024

I meticulously corrected and structured healthcare data, uncovering insights for informed decisions. Using Bootstrapping for augmentation and the Perceptron algorithm for classification, I optimized model performance. Feature selection enhanced accuracy and interpretability, resulting in a high-performing healthcare decision support system.

### Online school call sheet

February 2024

The Online School Call Sheet system integrates HTML5, CSS (Bootstrap), JavaScript, PHP (OOP) CRUD, SQL, and PDO to streamline attendance management in educational settings. It offers secure user authentication, intuitive dashboards for attendance data visibility, robust class management tools, and real-time monitoring capabilities. This solution enhances operational efficiency, reduces administrative workload, minimizes errors in attendance recording, and supports both academic excellence and administrative effectiveness.

## Certificates

Google Data Analytics (Google)  
Machine Learning With Python (IBM)  
Machine Learning Operations MLOps for Generative AI (Google Cloud)  
Create ML Models With BigQuery ML (Google Cloud)  
Google Project Management (Google)  
Derive Insights From BigQuery Data (Google Cloud)  
Responsible AI Applying AI Principles with Google Cloud (Google Cloud)  
Google UX Design (Google)

## Expertise

DataScience / Analysis / Analytics / Machine Learning / Deep Learning  
Sql / PI-SQL / SQLite3 // MySQL / Oracle  
Python OOP (numpy, scipy, Pandas, Scikit-learn, Keras, TensorFlow et plus)  
Flask / FastAPI / Docker  
Microsoft Excel / power BI - Power Query  
Kaggle / BigQuery / Google Cloud  
Mathematics / Statistics / Probability  
Algorithms / C  
Web Development front/back (HTML / CSS / JS / Java OOP / Php OOP)  
UI / UX design -certified- (Adobee Illustrator / Figma)  
Graphic Design (GDSC core team member designer – EPI)