



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 and its libraries, 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.



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TUNISIA - FRANCE



Dorra Boucharbia



github.com/DorraBoucha

Langues

- English (B2)
- Frensh (B2 DELF)
- Arabic (mother tung)
- Italian (A1)

Professional experiences

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 Mars 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 statues in the system

Services and Digitalization

Compliance and Documentation

System maintenance

System Administration

Installation and migration

Education

AI And Data Science Engineering

EPI - International Multidisciplinary School

2023



Until Now

Sousse - TUNISIA

Software 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.

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 Project Management (Google)
Derive Insights From BigQuery Data (Google Cloud)
Responsible AI Applying AI Principles with (Google Cloud)
Google UX Design (Google)

Expertise

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