Aymen Hadj Mebarek

AI Engineer / Data Scientist

Recent Master's graduate in Intelligent Information Systems with a strong passion for AI, data analysis, and web development. Skilled in developing intelligent solutions and leveraging data insights to drive innovation. Eager to apply and expand expertise in dynamic and collaborative environments.

PROFESSIONAL EXPERIENCE

Djezzy Internship | Big Data

July. 2024 - August. 2024
- Data analysis and dataset preprocessing
- training clustering models to predict revenus
- compare results with results to update the model

Cerist Internship | AI image processing

June. 2024 - August. 2024
- Segmentation of X-ray scans (CT scans).
- 3D modeling of the resulting segments.
- Implementing the model in a web app.

DEGREES

HIGH SCHOOL Diploma (BAC) with **Honors**
2020

Bachelor's Degree in Computer Science
2023 / University of Science and Technology Houari Boumediene (USTHB)

Master's Degree in Intelligent Information Systems
2025 / University of Science and Technology Houari Boumediene (USTHB)

CERTIFICATES

Data Analysis with Python
- Proficient in data wrangling, cleaning, and analysis using Pandas and NumPy.
- Skilled in visualizing complex data with Matplotlib.

Algorithms and Data Structure
- Strong understanding of core algorithms and data structures for efficient problem-solving.
- Experienced in applying algorithmic techniques to optimize code performance.

Scientific Computing with Python
- Experienced in using Python for scientific computing and solving mathematical problems
- Experienced in logical reasoning and applying problem-solving techniques in diverse scenarios

Problem Solving
- Adept at breaking down complex problems and developing effective solutions.
- Experienced in applying algorithmic techniques to optimize code performance.

Responsive Web Design
- Capable of creating adaptive web interfaces that function seamlessly across various devices.
- Skilled in using CSS and frameworks to build visually appealing and user-friendly websites.

CONTACT

- 📞 +213 776671086
- 📍 Bordj Kiffen, Algiers, Algeria
- ✉️ aymenhadjmebarek1834
- 🔗 Aymen Hadj Mebarek
- 🐙 aymen-hadj-mebarek

TECHNICAL SKILLS

- **Programming Languages :** Python, Java, JavaScript, Html, Css.
- **Framewors & Libraries :** Flask, Django, TensorFlow, MatplotLib.
- **Tool & Technologies :** Git.
- **Databases :** MySql, MongoDB, Oracle SQL.
- Office Applications.
- **Design & Multimedia :** PhotoShop, Video Editing.

PROFESSIONAL SKILLS

- Problem Solving
- Team Work
- Project Leading
- Brain Storming

LANGUAGES

- Arabic : Native
- English : Fluent (C1)
- French : Fluent

INTERESTS & HOBBIES

- Sports
- Movies and Cinema
- Video Games
- Coding

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PERSONNAL EXPERIENCE

Corona Fake News Detection
- Built a Neural Network LSTM model for NLP to detect fake news
- Developed a Flask backend with HTML/CSS/JS front end for user interaction
- Implementation of API for seamless integration of the model with web services

Simple Chatbot Project
- Built a chatbot using a JSON database to store and retriece answers
- Focused on effecient query response handling without user interface
- Designed for quick, lightweight deployement

Sea Level Prediction
- Conducted data análisis to predict sea level trends using historical datasets
- Visualized key insights through graphs and trends for better understanding
- Applied statistical techniques to enhance prediction accuracy

AI Flappy Bird
- Developed an AI agent using the NEAT algorithm to autonomously play Flappy Bird.
- Trained the model to adapt and improve over time based on gameplay.
- Integrated Python Pygame for real-time simulation of AI performance

Medical Data Visualizer
- Performed data analysis on medical datasets for insightful visualizations.
- Created interactive charts and graphs to highlight trends and patterns.
- Focused on visualizing critical medical data for improved decision-making.

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