

NABBAR Oussama

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Computer Engineering Student - Big Data & Cloud Computing

PROFILE

Engineering student specializing in Big Data and Cloud Computing at ENSET Mohammedia. Passionate about data engineering and Artificial Intelligence, I aim to develop innovative solutions in machine learning, big data processing, and distributed systems.:

EDUCATION

ENSET (École National Supérieure de l'Enseignement Technique)	Sept. 2023 – Present
Engineering Program – Computer Science, Big Data & Cloud Computing	Mohammedia, Morocco
Technical High School, CPGE (Preparatory Classes)	Sept. 2021 – Aug. 2023
Industrial Sciences and Technologies Track	Mohammedia, Morocco
Elkhawarizmy High School	Sept. 2018 – Aug. 2021
Electrical Sciences and Technologies	Casablanca, Morocco

EXPERIENCE

Internship – Anomaly Detection System	
ES Atlas Cloud Services, Benguerir, Morocco	06/2024 – 07/2024
<ul style="list-style-type: none">Built an ML-based anomaly detection system for network logs using Isolation Forest and K-Means clustering.Applied data preprocessing and feature selection to boost detection accuracy.Analyzed traffic patterns to classify cyberattacks (DDoS, brute force, scan, etc.).	

PROJECTS

Jumia Price Scraper & Chatbot Assistant	05/2024
<ul style="list-style-type: none">Developed a Python-based scraper using BeautifulSoup to extract product names, prices, and images from Jumia.Integrated a Flask-powered chatbot that helps users find deals, compare products, and answer price-related queries.	
MentorAI (Hackathon) — Coach d'apprentissage intelligent	04/2025
<ul style="list-style-type: none">Application offers proactive learning guidance and support using concepts such as Pomodoro and a theme system.	
Water Potability Prediction	03/2025
<ul style="list-style-type: none">Created a water potability prediction system with a Flask backend. Used machine learning models to analyze environmental data and send alerts.	
Space Game	01/2025
<ul style="list-style-type: none">Developed a 2D space game in Java using FXGL: entity management, collision detection, and game logic.	
Message Management Project	12/2024
<ul style="list-style-type: none">Automated parallel sending of emails to departments based on a pre-established schedule.	

SKILLS

- Programming:** Python (Flask, Django, Scikit-learn), C, C++, Java, JavaScript
- Machine Learning:** Regression, Classification, Clustering, Isolation Forest, K-Means, Data Preprocessing
- Web Development:** HTML, CSS, Bootstrap, Spring Boot, Java EE, React Js, Angular
- Databases:** MySQL, PostgreSQL, H2
- Tools:** Git, Github, Docker, Jupyter, Postman
- Operating Systems:** Windows, Linux
- Modeling & Methods:** Merise, UML

LANGUAGES & SOFT SKILLS

Languages: Arabic — Fluent		French — Professional		English — Professional
Soft Skills: Teamwork		Time and Priority Management		Adaptability and Flexibility