

NABBAR Oussama

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PROFILE

I am currently in the second year of the engineering cycle in Computer Engineering, Big Data, and Cloud Computing at ENSET Mohammedia, with an interest in the fields of Software engineering.

PROFESSIONAL EXPERIENCE

Initiation Internship – Anomaly Detection System

06/2024 – 07/2024

ES Atlas Cloud Services | Benguerir

- Developed a machine learning system for anomaly detection in network logs using Isolation Forest and K-Means clustering.
- Implemented feature selection and data preprocessing techniques to enhance model accuracy.
- Conducted in-depth analysis of network traffic patterns to classify different attack types.

EDUCATION

ENSET

09/2023 | Mohammedia, Morocco

Normal Higher School of Technical Education, Computer Engineering: Big Data, Cloud Computing

Technical High School

09/2021 – 08/2023

Technical High School – CPGE (Preparatory Classes for Engineering Schools)

Mohammedia, Morocco

Sc-Tech

09/2019 – 08/2021

Elkhawarizmy High School

Casablanca, Morocco

SKILLS

Programming: Python, C, C++, Java, JavaScript | **Web Development:** Spring Boot, Java EE, HTML, CSS, Bootstrap, React | **Databases:** MySQL, PostgreSQL, H2 | **Tools:** Git, Docker | **OS:** Windows, Linux |

Modeling & Methods: Merise, UML

PROJECTS

Smart Trash Bin & Web App

05/2025

IoT & Web Development

Developing a smart trash bin system with a web application for real-time monitoring and alerts.

Space Game

01/2025

Java | FXGL

Developed a 2D game in Java using FXGL to apply knowledge of Java, OOP, entity management, and collision detection.

Anomaly Detection System

06/2024

Machine Learning

Developed an ML-based system for detecting and classifying anomalies in network logs. Leveraged Isolation Forest for anomaly detection and K-Means for clustering attack types. Applied feature selection and data preprocessing to enhance model accuracy.

Message Management Project

05/2024

Bash Scripting

Automated the parallel sending of emails to departments based on a schedule.

LANGUAGES

Arabic — Native/Bilingual

French — Proficient

English — Proficient