BENOMAR SOUHAIL

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in Souhail Benomar

🪪 Personal Profile

I am a fifth-year student at the Moroccan School of Engineering Sciences (EMSI) in Rabat, specializing in computer engineering. I am also pursuing a dual degree in Applied Artificial Intelligence at the University of Côte d'Azur in Nice.

🎓 Education

Dual Degree in Applied Artificial Intelligence, *University of Côte d'Azur*   10/2024 – 02/2025
Morocco : 13 Av. Abdelmoumen, 10020 Rabat , France : 98 Bd Edouard Herriot, 06200 Nice   Nice, France

Engineering Degree in Computer Science,   10/2020 – 09/2025
EMSI : Moroccan School of Engineering Sciences , 13 Av. Abdelmoumen, 10020 Rabat   Rabat, Morocco
Specialization: Computer and Network Engineering - MIAGE (Methodology of Information Systems Engineering)

High School Diploma, Physical Sciences : Specialization French,   09/2018 – 07/2020
Lycée Scientifique Hassan - 16 Rue d'Oujda, 10020 Rabat   Rabat, Morocco
Honors: Good

📂 Professional Experience

Precise 3D Semantic Segmentation for Autonomous Navigation,
Master Thesis Internship – Inria, ACENTAURI Team (Sophia Antipolis, France)
04/05/2025 - 31/08/2025

- Developed a deep learning pipeline for 3D semantic segmentation using stereo imagery and LiDAR point clouds.
- Designed semantic mapping methods to improve perception and navigation in urban environments for mobile robots.

Web Application Containerization, *Ministry of Health , 335 Ave Mohammed V, 10020 Rabat*
01/07/2024 - 15/08/2024

- Developed and configured containers for a web application using Docker.
- Deployed the application on Kubernetes to ensure scalability and automated management.

Project Management Web Application Development, *Ministry of Economy and Finance , Avenue Mohammed V, 10020 Rabat*
03/07/2023 - 01/08/2023

- Designed and developed the application using Python and Django.
- Implemented key features, such as task tracking and user management.

💼 Academic Projects

Fake News Detection Using AI (Final Year Project)   11/2024 – 02/2025
Tools: Kaggle Notebook , Python , Flask , NLP

Web-based Geolocation Application (Final Year Project)   04/2024 – 06/2024
Tools: J2EE , IntelliJ , API Rest , MySQL

Web-based Inventory Management Application (Final Year Project)   05/2023 – 06/2023
Tools: Python, Django

📇 Certificates

Introduction au Big Data avec Spark et Hadoop by IBM
12/2024

Neural Networks and Deep Learning by DeepLearning.AI
11/2024

Building Scalable Java Microservices with Spring Boot and Spring Cloud by Google Cloud
11/2024

Introduction to Containers w/ Docker, Kubernetes & OpenShift by IBM
04/2024

Python for Everybody by University of Michigan
05/2023

🌐 Languages

English
Fluent

French
Fluent (TCF - C1)

Arabic
Native

🧠 Technical Skills

Programming Languages
- Java (J2EE, Spring), Python,C/C++, PHP

Artificial Intelligence and Data Science

- Machine Learning: Supervised/unsupervised learning, classification and regression algorithms

- Natural Language Processing (NLP): Text analysis, transformer models

- Neural Networks: Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN)

- Tools Used: TensorFlow, scikit-learn, Pandas, Matplotlib

Data and Big Data
- MySQL, SQL Server, MongoDB,Power BI, ETL, Python (Pandas , Matplotlib), Hadoop (MapReduce, HDFS), Apache Spark, Talend

Soft Skills
Problem Solving, Team Collaboration, Effective Communication

🎸 Interests

Artificial Intelligence, Cybersecurity, Robotics, Personnel Development, Sports, Travels