

Othman Trigui

Data Engineering & Artificial Intelligence student



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📄 Profile

As a 21-year-old engineering student with a strong interest in artificial intelligence and cloud computing, I am currently looking for a PFE (end-of-studies) internship in data science.

🎓 Education

Engineer's degree - Data Engineering and Artificial Intelligence

National School of Applied Sciences

2023 - Present | Safi

Bachelor's degree - Infrastructure, Processing and Analysis of Big Data

Superior School of Technology

2022 - 2023 | Fquih Ben Saleh

Two-year post-secondary [DUT] - Computer Engineering

Superior School of Technology

2020 - 2022 | Fquih ben Saleh

🧠 Skills

PROGRAMMING LANGUAGES

Python, R, PL/SQL, JAVA

DATABASES & BIG DATA

Cassandra, MongoDB, Redis, Oracle, SQL Server, MySQL, PySpark, Apache Hadoop, Firebase

DATA SCIENCE

Scikit-Learn, TensorFlow, Keras, PyTorch, Numpy, Pandas, Matplotlib, Seaborn, Plotly, OpenCV

WEB DEVELOPMENT

Flask, Streamlit, HTML, CSS, Javascript, Docker, Git, GitHub

CLOUD

AWS, Azure, Google Cloud

📄 Certificates

- Microsoft Certified: Azure Data Scientist Associate ✓
- Neural Networks and Deep Learning - DeepLearning.AI ✓
- Machine Learning Specialization - DeepLearning.AI ✓
- Advanced Computer Vision - DeepLearning.AI ✓
- Python for Data Science, AI & Development - IBM ✓

📁 Professional Experience

Data Scientist

ONEE - BE

04/2023 - 06/2023 | Casablanca, Morocco

- Built machine learning models to classify, detect and extract desired information from national ID cards.
- Used Azure services (Blob Storage, ML Studio) to extract the data and to train the models.
- Developed a web application using Flask to test the models.

Web Developer

Société Briqueterie Bati Chaouia

04/2022 - 06/2022 | Berrechid, Morocco

- Created the company's main website - <https://sbbc.ma> ✓
- Visualized the installation of cameras.
- Repaired some computers.

📁 Projects

Attendance and Mask Detection App with Location Tracking

Provided a comprehensive solution for managing student attendance, real-time mask detection, and location tracking.

- Developed a Streamlit app for student attendance and real-time mask detection using computer vision techniques.
- Implemented data visualization and automated email notifications for detailed attendance and mask usage reports.
- Integrated secure login functionality and location tracking to enhance monitoring and reporting accuracy.

Technologies: Python, Streamlit, OpenCV, TensorFlow, Firebase.

Obesity level prediction ✓

Predict obesity level based on eating habits and physical condition using machine learning

- Mastered data preparation and model-ready datasets by tackling missing values and encoding categorical features.
- Built and optimized predictive models using diverse machine learning approaches and meticulous hyperparameter tuning.
- Developed a user-friendly Streamlit web app for intuitive input, robust predictions, and clear result visualization.

Technologies: Python, Matplotlib, Seaborn, GridSearchCV, XGBoost, Ensemble Learning, Streamlit.

Online Sales Data Analysis ✓

Understand customer behavior and segment them into different groups using the LRFM model

- Extracted valuable insights from online sales data through meticulous data cleaning, aggregation, and visualization.
- Executed customer segmentation using the LRFM model, enabling targeted marketing strategies and personalized customer experiences.
- Demonstrated proficiency in Python data analysis tools to effectively process and visualize large datasets.

Technologies: Python, Pandas, NumPy, Matplotlib.

🌐 Languages

English

Highly proficient in speaking and writing

French

Highly proficient in speaking and writing

Arabic

Native / full working proficiency