

# Aymen Amimoussa / Machine Learning & Data Engineer

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## SUMMARY

Recent graduate with a Master's in Computer Science (Digital Factory 4.0), passionate about building intelligent systems and scalable data pipelines. I specialize in **machine learning**, **computer vision**, and **data engineering**, with hands-on experience from academic projects and professional internships. Proficient in Python, SQL, and ML frameworks like **TensorFlow**, **PyTorch**, and **Scikit-learn**, I've developed real-time AI applications and worked on data preprocessing, model training, and deployment. I'm eager to contribute to innovative teams as a **Machine Learning Engineer** or **Data Engineer**, bringing strong problem-solving skills, adaptability, and a commitment to continuous learning.

## SOFT SKILLS

Problem Solving / Critical Thinking / Adaptability / Active Learning / Teamwork / Efficiency / Business Planning / Time Management

## TECHNICAL SKILLS

Programming languages (Python, R, Java, C), Machine Learning and Deep Learning, ML frameworks (NumPy, Pandas, TensorFlow, Scikit-learn, PyTorch, Keras), Databases, SQL, Computer Vision (Real-time detection & tracking, Image segmentation, video processing), Deep Learning Models (CNNs, YOLO, U-Net), NLP (NLTK, SpaCy, Transformers; text analysis, sentiment), Advanced Driver Assistance Systems (ADAS) & Sensors

## EXPERIENCE

### msg Plaut Hungary | Budapest, Hungary

#### AI Software Developer | 06/2024 - 09/2024

- Developing and Training AI Models: Creating algorithms and training models for tasks like Image and video analysis and recognition and Autonomous Systems.
- Integrating AI Solutions into Applications: Embedding AI functionalities into software and systems in hardware .
- Data Management and Analysis: Collecting, preprocessing, and analyzing data to train and validate AI models.

### Directorate Province of Ouargla City | Ouargla, Algeria

#### Database Administrator Intern | 02/2023 - 03/2023

- Assisted in database maintenance tasks such as data backup, restoration, and recovery procedures.
- Monitored database performance, identified bottlenecks, and optimized queries to enhance efficiency.

### Mother and Child Maternity Hospital | Ouargla, Algeria

#### Database Administrator Intern | 03/2022 - 05/2022

- Contributed to database maintenance activities including data backup, restoration, and recovery procedures.
- Proactively monitored database performance, pinpointed bottlenecks, and optimized queries to improve operational efficiency.

## EDUCATION

### Eötvös Loránd University (ELTE) | Budapest, Hungary

#### Master degree in computer science (Digital Factory 4.0) | 07/2025

### Kasdi Merbah University | Ouargla, Algeria

#### Bachelor degree (BSc) in mathematics and computing | 06/2023

## CERTIFICATIONS

Workshop/ Fundamentals of deep learning by NVIDIA, Introduction to Data and Data Science by 365 Data Science

**LANGUAGES:** English, French, Arabic