





TOUZOUZ Adnane | Computer Vision Engineer

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 TOUZOUZ-Adnane

PROFESSIONAL OBJECTIVE

Computer Vision Engineer specializing in deep learning for visual data, with expertise in real-time object detection, image segmentation, and transformer-based architectures. Proven track record of deploying optimized models (ViT, YOLO, CNN) for industrial applications. Passionate about solving complex vision challenges through innovative and efficient algorithms.

TECHNICAL SKILLS

- ✓ **Programming:** Python (TensorFlow, PyTorch, Scikit-learn), SQL, MySQL
- ✓ **ML/DL:** Supervised/Unsupervised Learning, RNNs, Transformers (ViT, MViT, CLIP), YOLOv11
- ✓ **Data Tools:** Pandas, NumPy, OpenCV, Hugging Face, Spark
- ✓ **Deployment:** Docker, Flask, Streamlit, ONNX, Model Optimization
- ✓ **Visualization:** Matplotlib, Seaborn
- ✓ **Version Control:** Git, GitHub

PROFESSIONAL EXPERIENCE

R&D Computer Vision Engineer | SPORTSCORE

January 2025 - April 2025 | *France* (Freelance | Remote)

- Managed a cross-functional team to develop AI-driven sports analytics solutions
- Developed AI-driven models for sports analytics, using deep learning (ViT, MViT) and RNNs for real-time action detection in futsal.
- Built predictive models to analyze player performance and event recognition.
- Implemented data pipelines for structured and unstructured sports data

R&D Computer Vision Intern | Arteka

October 2024 - December 2024 | *France* (Remote)

- Managed a cross-functional team to develop AI-driven sports analytics solutions
- Developed machine learning models for sports analytics.
- Applied statistical models to analyze player movement patterns.
- Processed large-scale datasets for AI model training and evaluation.

Computer Vision Intern | Moulay Ismail University

March 2024 - September 2024 | *Morocco* (On-Site)

- Collaborated with an association for deaf children to collect and annotate a novel dataset for Moroccan Sign Language (MSL).
- Designed machine learning models for MSL recognition using neural networks.
- Conducted data analysis to refine feature extraction techniques.
- Optimized model accuracy through hyperparameter tuning and evaluation.

Computer Vision Intern | 3D SMART FACTORY

July 2023 - September 2023 | *Morocco* (Remote)

- Training and deployment of a teeth segmentation model.

EDUCATION

Master's in Artificial Intelligence and Data Analysis 2022 - 2024 | *Moulay Ismail University, Meknes*

Bachelor's Degree in Computer Science 2019 - 2022 | *Moulay Ismail University, Meknes*

Baccalauréat in Science Mathématique A 2018 - 2019 | *Lycée Omar Ibn Al Khattab, Meknes*

LANGUAGE SKILLS

Arabic :Native

French : Fluent

English : Fluent