Ahmed Aziz Ben Aissa

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Profile

AI engineering student with hands-on experience in machine learning, deep learning, and NLP.
Focused on creating practical AI applications emphasizing innovation, scalability, and impactful outcomes in various domains.

Education

Programme Grande Ecole, *Aivancity School for Technology,Business and Society* ⎘ AI and Data Science	2024 – 2026 Paris, France
License in Mathematics and Computer Science for decision making, *Dauphine-PSL (Tunis)*	2021 – 2024 Tunis, Tunisia
Bachelor of Mathematics, *Ibn Arafa high school*	2020 – 2021 Djerba, Tunisia

Projects

Interactive Fish Hologram
- **Company:** Image ET Concept
- **Description:** Developed an AI system to generate real-time videos for a fish hologram based on text and emotions.
- **Technologies Used:** diffusion models.
- **Key Achievements:** Built a prototype enabling emotional text-to-video storytelling for holographic displays.

YOLOv5 for Knife and Arms Detection
- **Description:** Developed a real-time object detection system to identify knives and arms in surveillance footage.
- **Technologies Used:** YOLOv5, PyTorch, OpenCV.
- **Key Achievements:** Achieved 85% mAP (mean Average Precision) with a custom-labeled dataset.

Animal and Plant Recognition App
- **Description:** Built a web-based application for identifying animal and plant species using pre-trained models.
- **Technologies Used:** PyTorch, EfficientNet , FastAPI
- **Key Achievements:** Achieved 95% accuracy on 122 species using transfer learning.

Skills

Programming Languages :
Python , R , Java

Frameworks:
TensorFlow , PyTorch , Keras

Business Intelligence & Automation Tools :
Power BI (Interavtive Dashboards) , Power Automate

Libraries :
Hugging Face Transformers , Dalex , Surprise

DevOps & MLOps :
Docker , Git , GitHub

Soft Skills :
Team Leadership for AI/ML Projects , Problem Solving , Communication , Critical Thinking

Cloud Platforms :
AWS , Google Cloud Platform , Microsoft Azure

Mathematics & Statistics
Linear Algebra , Calculus , Probability , Optimization

Languages :
English , French , Arabic

Organisations

Cité du Refuge, *Volunteer* Assisted in the preparation and packaging of meals for associations supporting people in need.	2024 – present Paris, France
"IT LAB" club, *Member* Innovation hub for advanced research in AI, data analysis, and decision-making systems.	2023 – 2024 Tunis, Tunisia