



Hazem Mrad

Hammamet, Tunisie
Engineering Cycle in Computer Technologies
ESPRIT, Ariana, Tunisie

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PROFESSIONAL EXPERIENCE

- **CFTravel** Summer 2025
AI Engineering Intern Hammamet, Tunisia
 - Architected a RAG (Retrieval-Augmented Generation) workflow for personalized travel recommendations
 - Processed destination catalogues based on budget, location, and accommodation criteria
- **Arab-Tunisian Bank** June 2023 - July 2023
IT Intern Hammamet, Tunisia
 - Provided IT support and resolved technical issues for banking operations
 - Managed and analyzed transactional data to support daily financial processes

EDUCATION

- **ESPRIT: Private Higher School of Engineering and Technology** Expected: June 2027
2nd Year Engineering Cycle in Computer Technologies Ariana, Tunisia
 - Focus on AI and Machine Learning

PERSONAL PROJECTS

- **MatchUPZ: Sports Management Application** January 2025 - July 2025
Web and desktop application for real-time player analysis on the field using AI techniques Esprit, Ariana, Tunisia
 - Featured at the 2025 Project Bal @ ESPRIT (ranked among the top 10 projects)
 - Achieved 94% accuracy in real-time player tracking with object detection, delivering live statistics
 - Implemented deep learning models for sports insights
 - Tools & technologies: Python, YOLO, TensorFlow, NLP, SQL, Java, HTML, CSS, Symfony
- **ARTHIVE: Art Gallery Management Application** January 2024 - June 2024
Development of a desktop application using AI for object detection and artist prediction Esprit, Ariana, Tunisia
 - Featured at the 2024 Project Bal @ ESPRIT (ranked among the top 2 projects)
 - Predicted artists from paintings with 86% accuracy using real-time artwork analysis
 - Tools & technologies: C++, C, QT, CSS, Arduino, deep learning models

TECHNICAL SKILLS AND INTERESTS

Languages: Python, Java, C, C++, SQL, JavaScript, HTML, CSS
Development Tools: QT, Jupyter, Adobe Creative Suite (Photoshop, Illustrator)
Frameworks: TensorFlow, Scikit-learn, Keras, YOLO, Symfony
Databases: Oracle, SQL, NoSQL
Areas of Interest: Machine Learning, Deep Learning, Natural Language Processing (NLP), Data Analysis, Artificial Intelligence, RAG Systems

ASSOCIATIVE LIFE

- **Media Manager**,DeepFlow AI Club (the first AI club in Tunisia), ESPRIT *July 2024 - March 2025*
 - Increased social media reach by 20% by managing and optimizing club pages
- **Secretary General**,DeepFlow AI Club , ESPRIT *July 2023 - July 2024*
 - Organized 2+ events and coordinated 10+ team members to enhance club operations
- **Member**,DeepFlow AI Club , ESPRIT *October 2022 - July 2023*
 - Learned about AI and machine learning

CERTIFICATIONS

- **Rapid Application Development with Large Language Models (LLMs)** NVIDIA DLI *Jan 2025*
- **Building LLM Applications with Prompt Engineering** NVIDIA DLI *Jan 2025*
- **Evaluation and Light Customization of Large Language Models** NVIDIA DLI *Jan 2025*
- **Building Transformer-Based Natural Language Processing Applications** NVIDIA DLI *Jan 2025*
- **Fundamentals of Deep Learning** NVIDIA DLI *Jan 2024*
- **Responsive Web Design** freeCodeCamp *June 2023*
- **Front-End Development Libraries** freeCodeCamp *June 2023*