



## Hazem Mrad

Hammamet, Tunisie

Engineering Cycle in Computer Technologies  
ESPRIT, Ariana, Tunisie

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Portfolio: [hazemmrad-io.vercel.app](https://hazemmrad-io.vercel.app)

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## PROFESSIONAL EXPERIENCE

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- **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

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- **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

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- **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

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**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

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- **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

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- **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*