

Maryem Jlassi

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Profile

I am an **AI engineering student** with a strong foundation in **machine learning, data science, and problem-solving**. Through active participation in **hackathons**, I have honed my technical skills in **model development, algorithm optimization, and teamwork**. Passionate about AI-driven innovation, I am eager to contribute to projects that leverage **artificial intelligence** for **real-world applications**.

Technical skills

- **Programming Languages** : Python, Java
- **Frameworks** : Django, NodeJs, Flask, Angular
- **Artificial Intelligence & Machine Learning** : Machine Learning, Deep Learning, Generative AI, TensorFlow, PyTorch, Keras, NLTK, Scikit-learn
- **Modeling & Databases** : UML, MySQL, SSIS, SSMS, Oracle
- **Visualization & Analytics** : Power BI

Education

ESPRIT, Tunisia <i>AI Engineering Studies</i>	<i>Sept 2024 – Jan 2027</i>
Institut Préparatoire aux Études d'Ingénieur El Manar , Tunisia <i>Pre-Engineering Studies - Physics and Technologies Focus</i>	<i>Sept 2022 – June 2024</i>
Ariana - Tunisia <i>Baccalauréat in Technical Section</i>	<i>Sept 2018 – June 2022</i>

Experience

Hackathon Participant	<i>Tunis, Tunisia 2025</i>
<ul style="list-style-type: none">◦ Polytech Intl Hackathon (Health Focus): Developed AI-driven solutions for health data management, including features like MRI analytics, prescription management, and side effect information. Placed 4th in the competition.◦ H12-Innovation by ESPRIT: Worked on reviving the historical site of Sbiba using AI. Built a virtual assistant, AI quiz, and computer vision model for monument detection.◦ VEO Tunisie Hackathon: Created AI solutions for smart sourcing in recruitment, focusing on efficiency and fairness in hiring processes.	

Languages

- **Arabic:** Native **French:** Fluent
- **English:** Fluent **Turkish:** Intermediate
- **Spanish:** Intermediate

Extra-Curricular Activities

- **2024:** DeepFlow Club (Member)
- **2025 – Present:** Tunipreneurs Polytech Intl (Member)

Academic Projects

Dynamic Web App (Subject: Nutrition, Health, and Sport)

Team of 6 students

Worked on a web application, NutriMove, utilizing Django, HTML, CSS, and JavaScript to merge sport and nutrition for a healthy lifestyle. Integrated advanced features such as **facial recognition authentication**, virtual nutritionist, **NLP-based article summaries**, and **text-to-speech** for accessibility. Technologies used: Django, React.js, MySQL, PyTorch, TensorFlow, GitHub, SCRUM with Jira.

[LinkedIn](#) [🔗](#)

Data Science/BI Project (Subject: Restaurant and Health Market Inspection)

Team of 6 students

Developed machine learning models using Python, SSIS, SSMS, and Power BI to optimize health market inspections. Applied **unsupervised learning** for data insights and **supervised learning** for predictions. Deployed the model via Streamlit for user access.

[LinkedIn](#) [🔗](#)

AI Project (Subject: Smart Sourcing System, Partnering with ACTIA)

Ongoing Project

Working on developing an AI-based smart sourcing system. Currently building a computer vision model using transfer learning, as well as implementing a chatbot assistant as a virtual HR, email generation, CV parsing, and candidate-job matching. The system is developed with SpringBoot and Angular for deployment.

Certifications

Nvidia: Introduction to Transformer-Based Natural Language Processing February 2025

Nvidia: Generative AI with Diffusion Models February 2025

Nvidia: Fundamentals of Deep Learning December 2024

Certificate of Completion: The Machine Learning Process A-Z by 356 Data Science November 2024

Behavioral Skills

- Conflict Management
- Teamwork
- Stress Management
- Communication
- Time Management
- Project Management