

Anis Farah

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Data Scientist specializing in Machine Learning and AI, with academic and practical experience across France and Tunisia. Passionate about solving real-world problems through data-driven solutions, demonstrated through internships in both R&D and production environments, as well as applied academic projects. Fully mobile and immediately available for Data Science and AI roles in France and abroad.



Education

IMT Nord Europe , Lille, France	2024 – 2025
Academic Exchange — S9 & Final-Year Project (PFE)	
Specialization: Data Science & AI	
ESPRIT , Tunis, Tunisia	2022 – 2025
Engineering Degree in Data Science (EUR-ACE®); part of the curriculum completed at IMT Nord Europe	
ISSET Chargaia , Tunis, Tunisia	2019 – 2022
Bachelor's Degree in Information Systems Development	

Experience

R&D Data Science Intern (Final-Year Project) , Caplogy Innovation — Vélizy, France	Apr 2025 – Sep 2025
<ul style="list-style-type: none">Contributed to the development of FORTRAJ, a hybrid system for detection, tracking, and trajectory prediction in autonomous drones.Improved the trajectory prediction module to anticipate movements earlier and enhance responsiveness.Validated the system on real-world drone data and dynamic scenarios.Conducted comparative evaluations with baseline models, showing measurable gains in robustness.<i>Technologies: Python, PyTorch, Deep Learning, OpenCV, Git/GitLab</i>	
Data Science Intern , Swiss Premium Negoce (SPN) — Tunis, Tunisia	Jun 2024 – Aug 2024
<ul style="list-style-type: none">Automatic extraction of fines using OCR.Image preprocessing (segmentation, noise reduction).Information extraction using LLM.Data integration in MongoDB.<i>Technologies: Python, MongoDB, NextJS, FastAPI, OCR, LLM, Deep Learning, Git/GitLab</i>	
Data Science Intern , BTS Bank — Tunis, Tunisia	Feb 2022 – Jun 2022
<ul style="list-style-type: none">Development of a credit scoring model using ML techniques to predict customer solvency.Validation and testing of the model.Deployment of the model into a web application.Stakeholder reporting and engagement.<i>Technologies: Python, Machine Learning, Flask, UML, MongoDB, Classification, NodeJS, Git/GitHub</i>	

Academic Projects

Generative AI — Human Motion to Text	Jan 2025
<ul style="list-style-type: none">Participated in the IMT Nord Europe Kaggle Challenge, developing a generative model to produce textual descriptions from 3D human motion data.Handled data preprocessing, model training, and evaluation using the BLEU metric.<i>Technologies: Python, PyTorch, NLP, Deep Learning, pandas, BLEU, data processing, dataset creation</i>	
Automatic Object Detection in Telemedicine Images	Mar 2024 – May 2024
<ul style="list-style-type: none">Built a CNN and Mask R-CNN model for detecting medical objects in radiology images from public datasets.Trained models on labeled image datasets.Developed detection algorithms using Faster R-CNN / YOLO.Implemented evaluation metrics (mAP, IoU, Recall, Precision, F1-Score).<i>Technologies: Python, Deep Learning, PyTorch, Detection, CNN, YOLO</i>	
Intrusion Detection System	Oct 2022 – Dec 2022
<ul style="list-style-type: none">Designed and implemented an intrusion detection system to analyze network traffic and detect abnormal behaviors.Built models using ML techniques such as KDD-KP.Developed a user-friendly interface for monitoring and visualization.<i>Technologies: Python, Machine Learning, Random Forest, Neural Networks</i>	

Skills, Certifications & Languages

Technical: Machine Learning, Deep Learning, Computer Vision, NLP, Python, PyTorch, FastAPI, Flask, Docker, Git/GitLab, CI/CD (basic), Hadoop, Spark, R, Java, JavaScript, NodeJS, NextJS, UML, OpenCV, MongoDB, MySQL, PL/SQL.

Soft: Teamwork, Communication, Time Management.

Certifications: Scrum Foundation Professional Certificate; Building Transformer-Based NLP Applications.

Languages: Arabic — Native; French — Full Professional Proficiency; English — Full Professional Proficiency; Spanish — Limited Working Proficiency.