

Education

ENETCOM: National School of Electronics and Telecommunications of Sfax, Sfax	September 2023 - Present
<i>Engineering Degree in Data Engineering And Decision Support System</i>	<i>Sfax, Tunisia</i>
IPEIS: Preparatory Institute for Engineering Studies of Sfax	2021 - 2023
<i>National Exam of Entrance to Engineering Schools, Technology - Physics</i>	<i>Sfax, Tunisia</i>

Experience

Pixemantic, Tunisia	June 2025 - August 2025
<i>IA Intern</i>	<i>Tunis, Tunisia</i>
<ul style="list-style-type: none">• Damage detection: Upload a car image and use YOLOv8 to detect and label damaged areas..• Document analysis: Process uploaded documents using OCR and NLP for text extraction and correction.• Client response: Combine image, document, and form results to generate clear answers using a RAG-based LLM.• Tools: YOLOv8, OCR, OpenAI, Pinecone.	
REGIM LAB, Sfax	July 2023 - August 2023
<i>Mobile Development Intern</i>	<i>Sfax, Tunisia</i>
<ul style="list-style-type: none">• Developed a web and mobile application for managing the Nephro Doppler sector, enabling super administrators, administrators, and doctors to efficiently centralize and manage medical records.• Designed and implemented features to facilitate patient data tracking, record organization, and streamlined access to medical information across user roles.• Tools: Flutter, Firebase, Google Cloud.	

Projects

Real-time Flight Tracking Application (Final Year Project)	
<ul style="list-style-type: none">• Designed and implemented a real-time flight tracking system using a distributed data pipeline (Kafka, Spark, Airflow) with Elasticsearch for storage, Kibana for visualization, and Docker for containerized deployment.• Tools: Apache Kafka, Apache Spark Structured Streaming, Apache Airflow, Elasticsearch, Kibana, Docker	
Real-Time Data Processing and Analytics Pipeline (AWS)	
<ul style="list-style-type: none">• Developed a real-time data analytics solution on AWS to enable seamless data collection, processing, and visualization. Focused on improving data accessibility, automation, and decision-making through efficient cloud-based workflows and interactive dashboards.• Tools: AWS S3, AWS Lambda, AWS Glue, Amazon Kinesis, Amazon Athena, Amazon QuickSight, Amazon CloudWatch, Data Lake concepts, serverless ETL, Data Visualization.	
Football Match Prediction Model (MLOps Pipeline)	
<ul style="list-style-type: none">• Developed an end-to-end MLOps pipeline using XGBoost regression to predict key football match statistics such as total goals, cards, and corners. Integrated automated data processing, model training, and FastAPI deployment for real-time match predictions.• Tools: Python, XGBoost, FastAPI, Docker, DVC, GitHub Actions, Pandas, Scikit-learn	
YouTube Data Analysis Pipeline	
<ul style="list-style-type: none">• Developed a data pipeline to extract, transform, and load (ETL) YouTube channel data using a star schema approach.• Tools: Talend Open Studio, ExportComments, SQL, MySQL, Data Lake concepts, Star Schema, ETL	

Technical Skills

Programming Languages: Python, R, Java, Scala, JavaScript
DevOps & MLOps: Docker, GitHub, CI/CD, Kubernetes, MLflow, DVC
ETL/ELT & Visualization: SQL, Power BI, Talend, Kibana
Big Data & Cloud: AWS, Azure, Databricks, Spark, Kafka, Airflow, Elasticsearch
Machine Learning & Deep Learning: TensorFlow, PyTorch, Scikit-learn, YOLOv8, LLM & VLM, OCR
Certifications: Microsoft Azure AI Fundamentals (02/10/2023), Microsoft Azure Data Fundamentals (01/12/2023), AWS Certified Cloud Practitioner (CLF-C02) (01/09/2025)
Languages: French (Professional), English (Professional)
Extracurricular Activities: Active Member of NATEG – ENET'Com