

Dhrif Eya

Data Science Intern

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Summary

First-year engineering student at ENSIT specializing in Applied Mathematics, Data Science, and AI. Strong problem-solving with technical execution. Interested in applying AI to real-world problems using modeling and data-driven innovation. Participates actively in tech clubs, competitions, and constant learning.

Education

Engineering Degree in Applied Mathematics, Modeling, Data Science, and Artificial Intelligence.

National Higher School of Engineering of Tunis (ENSIT).
Sep, 2024 - present

Mathematics and Physics field.

Preparatory Institute for Engineering Studies, Tunis – Manar (IPEIEM).
Sep, 2022 - May, 2024

Graduated with High Honors (Mention Très Bien).

Carthage Byrsa High School
Sep, 2021 - Jun, 2022

Technical Skills

Python , C/C++ , Matlab , Git , Power BI , Excel , Scikit-learn, XGBoost, LightGBM , Pandas , Numpy , Matplotlib , Seaborn , Modeling EDA , Streamlit , Web scraping (BeautifulSoup), HTML/CSS

Soft Skills

Collaboration & Team Work , Problem-solving, Communication, Time management, Result-oriented, Initiative & Self Learning , Creativity

Languages

English, French , Arabic , Spanish

Work Experience

EY (Ernst & Young)

Data Science Intern

Jul, 2025 - Mar, 2024

Supported the development of credit risk models from real financial data.

- Performed data preprocessing, feature engineering, and exploratory analysis to support model training.
- Applied statistical methods and machine learning techniques to assess credit risk of the borrowers.
- Worked collaboratively to automate data cleaning and transformation operations for improved pipeline performance.
- Assisted to assess and interpret model performance (accuracy, precision, recall).

MGD(Medical Report Generator)

AI Intern – NLP & Speech Recognition

Jun, 2025 - Jul, 2025

Contributed to the Whisper project by OpenAI in developing a speech-to-text system. Made contributions in fine-tuning, transcription accuracy evaluation, and developing pipelines for audio processing and automatic captioning.

- Built a speech-to-text system using Whisper by OpenAI.
- Evaluated transcription accuracy and fine-tuned the model.
- Developed audio processing and captioning pipeline

Projects

Loan Default Prediction using Ensemble Learning

Apr, 2025 - May, 2025

Developed a machine learning model to predict loan default risk using financial and demographic data.

Battery Life Cycle Estimation with AGAN Strategy

May, 2025 - Jun, 2025

Created a predictive maintenance model for the prediction of battery Remaining Useful Life (RUL) on the NASA Battery dataset.Used the "As Good As New" (AGAN) strategy to develop realistic degradation scenarios.