Rayhane Aissa

First-Year Engineering Student — Applied Mathematics and Modeling

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Education

National Engineering School of Tunis (ENSIT)	2024 – Present
National Engineering Degree in Applied Mathematics and Modeling	
Preparatory Institute for Engineering Studies of Nabeul (IPEIN)	2022 – 2024
Specialization: Mathematics and Physics (MP)	
Dar Chaaben El Fehri High School, Nabeul	2019 – 2022
Baccalaureate in Mathematics — With Honors	

Projects

Airline Passenger Segmentation — April 2025
- Applied unsupervised learning to segment passengers based on travel behavior for improved marketing strategies

Recommendation Engine — January 2025
- Built a basic movie recommendation system in Python using collaborative filtering

Gold Price Prediction — February 2025
- Predicted gold prices using XGBoost model based on economic indicators and geopolitical trends

Computer Vision for Industrial Inspection — February 2025
- Worked on visual quality control using computer vision techniques (details TBD)

Clubs & Activities

Nerdata ENSIT Club — September 2024 – Present
Member & Event Contributor
- Helped organize Data Fest 1.0

IEEE ENSIT Student Branch — September 2024 – Present
Active Member – Computer Science Section

Skills & Tools

Programming:
Python, C/C++, Java, MATLAB, HTML/CSS/JS

Libraries/Frameworks:
NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn

Tools:
Git, GitHub

Environments:
Jupyter Notebook, VSCode

Certifications

NVIDIA — Computer Vision for Industrial Inspection [Credential ID]

Languages

Arabic (Native), French (Fluent), English (Advanced)

Interests

Books, Violin, Video Games