

# Ataa Mars

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## Education

**INSAT, Computer Networks and Telecommunications Engineering** Sept 2024 – Present

- Currently deepening my knowledge in various topics related to my field of study as an engineering student.

• **Coursework:** Data Science, Statistics, Networking, Web Development...

**INSAT, Pre-engineering Degree**

Sept 2022 – Sept 2024

- Studied Mathematics, Physics, and Computer Science as a pre-engineering student.
- **Coursework:** Calculus, Linear Algebra, Algorithms and Data Structures...

## Experience

**Data Science Intern, Digimytch - Tunis**

July 2025 – August 2025

- Building and deploying machine learning models for predictive analytics.
- Working on LSTM models for feature forecasting and Isolation Forest for anomaly detection.
- Developing backend APIs to integrate AI models into production workflows.
- Collaborating with cross-functional teams to deliver data-driven solutions.

**Software Engineer, Freelance - Tunis**

Jan 2025 – Feb 2025

- Developed the Frontend application.
- Used the NextJS framework for route management and client/server-side rendering.
- Combined TailwindCSS and Shadcn to create modern, customized interfaces.

**Technical Editor, NextGen Coding – Remote, Part-time**

Oct 2024 – Jan 2025

- Designed Python courses and projects for NextGen's e-learning platform.
- Prepared quizzes for HTML, JavaScript, and TailwindCSS.

**Software Engineer Intern, Elyadata - Tunis**

Aug 2023

- Participated in the development of a plugin to aggregate metrics from multiple projects into a SonarQube dashboard.
- Designed and implemented a dashboard using React and Bootstrap.

## Projects

**Real-time Face Authentication System**

🔗 PPP Face Recognition

- Developed a real-time face authentication system for secure access to protected areas.
- Implemented face detection and recognition using OpenCV and deep learning models.
- Created a data preprocessing pipeline including image normalization and augmentation.
- Integrated the recognition module into a web interface for user registration and authentication.
- Tools Used: Python, OpenCV, TensorFlow/Keras, Flask, NumPy, DeepFace

**Cleaning Students Data and Basic EDA**

🔗 StudentsDC\_EDA

- Performed data cleaning to prepare the dataset for analysis and modeling, reducing memory usage from over 2MB to less than 70KB.
- Tools Used: Python, Pandas, Seaborn, Matplotlib

**REST API for Restaurant Table Booking**

🔗 littleLemon

- Django project designed for a restaurant booking system with menu management endpoints, an admin panel, and authentication endpoints for user management.
- Tools Used: Python, Django, JWT Auth, Django Rest Framework

**Shoesy SPA**

🔗 shoesy

- Created a modern e-commerce website to practice TailwindCSS and build a responsive and attractive web interface.

- Tools Used: React, TailwindCSS

## Technologies

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**Languages:** Python, JavaScript, Java, SQL, C++

**Web:** Django, React, NextJs, TailwindCSS

**Data Science:** Pandas, Seaborn, Matplotlib, NumPy, Scikit-learn

**Tools:** Git, Docker, Figma

## Certificates

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**Meta Full Stack Engineer**

**DataCamp Associate Data scientist**

**Efficient Large Language Model (LLM) Customization**