

Mohamed Bensaad

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[Mohamed Bensaad | LinkedIn](#) • [Mohamed Bensaad · AI Engineer](#)

SUMMARY

I am motivated Computer Science Engineering student at ENICarthage with a strong foundation in machine learning, data engineering, and Python development. Hands-on experience building and deploying end-to-end AI systems, including a nationwide traffic prediction platform leveraging XGBoost, geospatial feature engineering, and a production FastAPI backend. Passionate about applying machine learning and AI to high-impact, real-world problems.

EDUCATION

Ecole Nationale d'Ingénieurs de Carthage (ENICarthage)

Engineering degree in Computer Science

Sep 2025 - Jun 2028

Tunis, Tunisia

- Relevant coursework: Machine Learning, Algorithms & Data Structures, Computer Architecture, OOP (C++), Networking

Institut Préparatoire aux Etudes d'Ingénieurs de Monastir (IPEIM)

Preparatory Cycle - Mathematics & Physics

Sep 2023 - Jun 2025

Monastir, Tunisia

- Completed two-year national preparatory program with emphasis on linear algebra, calculus, probability, and programming. Succeeded the national engineering school competitive entrance exam.

PROJECTS

Tunisia AI Traffic Map | Personal Project

March 2025

Built the first publicly available AI-powered road congestion prediction system covering all 24 Tunisian governorates with real-time map visualization as a live public web tool.

Tasks :

- Extracted and processed road-network graphs nationwide using OSMnx
- Engineered a custom Congestion Pressure Index encoding Tunisia-specific patterns
- Trained and optimized an XGBoost model achieving ~85% prediction accuracy

Technologies : Python · XGBoost · OSMnx · Pandas · FastAPI · Leaflet.js · GitHub Pages · Render · Google Colab

Live: [Tunisia AI Traffic Map](#)

TECHNICAL SKILLS

ML / AI

Python, Scikit-learn, XGBoost, NumPy, Pandas, Matplotlib

Web

Leaflet.js, HTML/CSS/JavaScript

Programming

Python, C++ , JavaScript

Languages

Arabic, English, French

CERTIFICATIONS & COURSES

Data Analysis with Python — IBM | Coursera

February 2025

- Covered NumPy, Pandas, data wrangling, exploratory data analysis, and model development with Scikit-learn