Jean Bedel GNAMIEN

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📍 Lille

Engineering student also pursuing Master's in Data Science.

Education

École Centrale Lille (ECL)	*Since September 2025*
Master's in Data Science (1st Year)	*Lille, France*
École Centrale Casablanca (ECC)	*Sep 2023 - Aug 2025*
General Engineering Program	*Casablanca, Morocco*
Institut National Polytechnique Houphouët Boigny (INPHB)	*Sep 2021 - May 2023*
Preparatory Classes in Mathematics and Physics (MP)	*Yakro, Côte d'Ivoire*

Professional Experience & Projects

Research Internship: COVID-19 Propagation Modeling in Casablanca — *June 2025 - August 2025*
École Centrale Casablanca - 2nd Year Engineering Program
- Development of a SEIR (Susceptible-Exposed-Infected-Recovered) model with realistic demographic structure of Morocco (16 age groups)
- Implementation of spatial modeling with H3 hexagonal aggregation and POI data extraction from OpenStreetMap of Casablanca

Challenge Project: Public Transport Optimization using Artificial Intelligence — *Feb 2024 – April 2025*
- Analysis and visualization of transport data to identify causes of traffic congestion
- Creation of predictive models capable of anticipating short-term traffic levels and simulation of solutions (bus additions, smart traffic lights...) to test their impact on network fluidity

Software Development Project: Creation of a Website for Intelligent Logistics Resource Management — *Oct 2024 - Jan 2025*
- Implementation of an interactive interface for delivery drivers with route tracking (Google Maps API) and optimal route calculation (Dijkstra Algorithm)
- Integration of a dashboard for real-time monitoring of inventory, orders, and sales with dynamic report generation for businesses

"Learning By Doing" Project: Creation of a Chatbot for ECC — *Feb 2024 - June 2024*
- Creation of a vector database containing school information from PDF files, YouTube videos, and the school's website
- Training of LLM (GPT Turbo 3.5) and establishment of an intuitive and interactive interface

Certificates

IBM Data Science Professional Certificate — *In progress*
Learning: Data Cleaning, Data Visualization, SQL...

Skills

Hobbies:	Chess, Writing, Basketball
Languages:	French, English (TOEIC Score: 950)
Qualities:	Curious, Responsible, Rigorous, Strong team spirit
Technologies:	LaTeX, Python, SQL, Django, HTML, CSS