

RAJA BELEMDIOUI

Av. Allal Al Fassi, Rabat | rajabelemdiou2003@gmail.com | 06 24953436 |
<https://www.linkedin.com/in/beelemdiou2003/> |

Welcome

to

MyCV!

As a second-year student in the AMOA & Innovation engineering program at the National Institute of Posts and Telecommunications (INPT), I am passionate about solving complex data-related problems. My coursework has provided me with a solid foundation in algorithmics, computer programming, and database architecture. I am eager to apply my skills in data analysis and innovation to real-world challenges, contributing effectively to the field of data engineering.

Education

National Institute of Posts and Telecommunications (INPT), Rabat, Morocco	September 2023 – Present
Engineering Degree in AMOA Innovation	
Classe Préparatoire Moulay Abdellah, Safi, Morocco	September 2021 – June 2023
Preparatory Classes for Engineering Schools	
Lycée d'Excellence (LYDEX), [Bengueir], Morocco	September 2018 – June 2021
Baccalauréat in [Electrical Science and Technology]	
• Graduated with honors.	

Projects

E-Commerce Website for Kids' Toys	See project
• Developed a full-stack e-commerce platform for children's toys, enabling product browsing, cart management, and secure user authentication.	
• Backend: Built with Spring Boot , featuring a REST API for user authentication, product management, and shopping cart operations, secured with JWT authentication .	
• Frontend: Designed using HTML , CSS , and JavaScript for dynamic cart functionality.	
• Integrated MySQL for data persistence and tested APIs using Postman .	
SOA-Based Telemedicine Clinic Management System	See project
• Developed a Service-Oriented Architecture (SOA) system for managing a telemedicine clinic.	
• Implemented three SOAP services for medical record management, prescription handling, and doctor administration.	
• Designed three REST services for appointment scheduling, patient notifications, and follow-ups.	
• Modeled business processes using BPMN for service orchestration.	
• Developed a front-end interface to interact with the services, ensuring an intuitive user experience.	

- Integrated **MySQL** for data persistence and tested APIs using **Postman**.

Machine Learning & NLP – Kano Model Generation

See project

- Implemented a **Machine Learning** model to classify customer requirements using the **Kano Model**.
- Utilized **Natural Language Processing (NLP)** techniques for text classification and sentiment analysis.
- Developed a **Python-based application** to analyze and visualize Kano categories from customer feedback.
- Applied **scikit-learn**, **NLTK**, and data preprocessing techniques to enhance model accuracy.
- Created interactive visualizations with **Matplotlib and Seaborn** for insightful customer feedback analysis.

Customer Review Analysis with LLM

See project

- Developed a customer review analysis solution using an **LLM** (*Google Gemini*) and the **Kano model**.
- Utilized **Python**, **OpenRouter API**, and **NLP** to classify user feedback and identify key features influencing customer satisfaction.

Skills

- **Programming Languages:** Python, Java, JavaScript
- **Web Development:** HTML, CSS, React, Spring Boot
- **Database Management:** MySQL, SQL, MongoDB
- **Software Engineering:** SOA, BPMN, REST & SOAP APIs, Microservices
- **Machine Learning:** NLP, Data Processing, Sentiment Analysis, Scikit-learn
- **Cloud & Deployment:** Docker
- **Tools:** Postman, Git, Jupyter Notebook, OpenRouter API