MOHAMMAD AIT EL KADI

Software Engineering Student | National Institute of Posts and Telecommunications (INPT)

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About Me

I am a second-year software engineering student with a strong passion for technology and innovation. Proficient in Java programming, I have successfully developed and maintained several scalable and efficient software applications. I have demonstrated strong problem-solving skills by implementing optimized algorithms and data structures in Java, significantly improving system performance.

Education

National Institute of Posts and Telecommunications-INPT, Sept 2023 – Sept 2026

- **Courses:** Computer Architecture, Algorithms, Web Development, Mobile Development, Statistics, Deep Learning, Networks, Cloud Computing, Big Data, Project Management.

Preparatory Classes, Sept 2021 – Sept 2023

- **Courses:** Mathematics, Physics, Engineering Sciences.

SKILLS

Programming Languages: Java, C programming, C++, Python, SQL,
Tools: Docker, Git.
Web Development: HTML, CSS, JavaScript, React, Next.JS, Spring Boot
Mobile Development: React Native, Flutter

Professional Experience

Vehicle Rental Platform, INPT – Rabat, June 2024 – Sept 2024

- Development of a website designed to streamline the car rental process, offering an intuitive platform allowing customers to browse, book, and manage vehicle rentals with ease. The site features smooth navigation, detailed car listings, and secure online transactions, enhancing the overall rental experience for users and businesses.
- **Technologies used:** Node.Js, Taillwind CSS, Next.JS, PostgreSQL.

Projects

Distributed Electronic Voting System

- Design of a secure voting system with RMI authentication
- Management of simultaneous connections via multithreading
- Real-time results display with Kafka

Machine Learning

Training a machine learning model to predict temperature and humidity using data collected by an ESP32 microcontroller. The data was uploaded to the ThingSpeak platform for analysis, and the model was trained after preprocessing. Accurate predictions were obtained by refining algorithms based on historical data patterns.

RESTful API for Inventory Management

- Creation of an API with Spring Boot and PostgreSQL managing CRUD operations
- Containerization with Docker for simplified deployment

Languages

ENGLISH B2
FRENCH B2
ARABIC Native language