

# MOHAMMAD AIT ELKADI



## PROFILE

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 multiple scalable and efficient software applications. Demonstrated strong problem-solving skills by implementing optimised algorithms and data structures in Java, significantly improving system performance.

## CONTACT DETAILS

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github.com/MOHAMED AIT EL KADI

## PERSONAL INFORMATION

Citizenship: **Morocco**

Languages: **English** (B1),  
**Arabic** (native), **French** (B1),

## SKILLS

- Java, C programming, C++, Python, SQL,
- Web Development: HTML, CSS, JavaScript, React, Next.js, Spring Boot
- Mobile Development: React Native, Flutter
- Communication and team collaboration

## EXPERIENCE

CAR RENTAL WEBSITE DEVELOPMENT at *Rabat-INPT*.  
**June 2024 – Sept 2024.**

◇ Developed a website designed to streamline the car rental process, providing an intuitive platform for customers to browse, book, and manage vehicle rentals with ease. The site offers seamless navigation, detailed car listings, and secure online transactions, enhancing the overall rental experience for both users and businesses.

**Tools Used:** React, Tailwind CSS, Next.js, PostgreSQL.

## ACADEMIC PROJECT

**MACHINE LEARNING** at *Rabat-INPT*.

◇ Trained 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 achieved by fine-tuning the algorithms based on historical data patterns.

**DISTRIBUTED ELECTRONIC VOTING SYSTEM.** | KAFKA, JAKARTA EE, RMI, JAVA, MULTITHREADING

- ◇ Designed a reactive electronic voting system in Java, integrating authentication via RMI.
- ◇ Used multi-threading to enable simultaneous connections for users, ensuring efficient processing and scalability.
- ◇ Implemented real-time result updates using Kafka.

**MOVIE REVIEW APPLICATION**

◇ develop a movie review application that will feature a separation of concerns between the client code and the server code. Using React for Frontend, SpringBoot for Backend and MongoDB as Database.

**RESTFUL API FOR INVENTORY MANAGEMENT SYSTEM**

◇ Built a RESTful API for an inventory management system using Spring Boot and PostgreSQL. The system supported CRUD operations for products, orders, and stock levels, and was containerized with Docker for easy deployment.

## EDUCATION

**INSTITUT NATIONAL DES POSTES ET TELECOMMUNICATION-INPT. Current**

◇ Computer Architecture, Algorithms, Web Development, Mobile Development, Statistics, Deep Learning, Network, Cloud Computing, Project Management.

**PREPARATORY CLASSES**

**Sept 2021 – Sept 2023**

◇ Mathematics, Physics, Engineering Science.