# Abdeladime Benali

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## PROFILE

I am a data engineer with expertise in machine learning, software development, and large-scale data systems. I specialize in tools like Hadoop, Spark, and Kafka, while being proficient in backend development with Django and DRF, as well as frontend technologies like React. My programming skills include Python, Scala, Java, JavaScript, and SQL, and I excel in leveraging AI and predictive modeling to solve complex problems and deliver impactful solutions.

## EDUCATION

**National Institute of Posts and Telecommunications** — Rabat
*Data Engineering* — *Aug. 2023 – 2026*

**Math and Physics Preparatory Classes** — Kenitra
*Ranked 133 out of 3200 candidates.* — *Aug. 2021 – May 2022*

## EXPERIENCE

- **Software Engineer Intern** — Jun 2024 – Jul 2024
  During my internship at 4D, I contributed to the development of a flow-based programming (FBP) editor. I worked with technologies like React, TypeScript, Redux, ReactFlow, Tailwind CSS, and API integration. The project focused on enhancing the functionality and user interface of the editor to provide a better user experience.

## PROJECTS

**Complete Medical Office Management Platform** | *React, Tailwind CSS, Django, DRF, PostgreSQL*
- Developed a web platform for managing and digitizing medical offices. The frontend was built using React and Tailwind CSS, while the backend uses Django and DRF with a PostgreSQL database. This solution helps clinic owners manage their operations online.

**Complete Predict Pro System** | *Machine Learning, AI, React, Django, PostgreSQL*
- Developed a platform with AI-powered features, such as player transfer price predictions, real-time match results, and a GAN for generating images from text prompts. The frontend uses React, and the backend is built with Django, DRF, and PostgreSQL.

**Stock Price Prediction** | *Machine Learning, Python, NASDAQ, Real-time*
- Built a machine learning model using real-time NASDAQ stock data to predict stock prices. This project involved Python and machine learning libraries to forecast trends and optimize investments.

**Job Recommendation Website** | *Selenium, MongoDB, Spark, Docker*
- Developed a job recommendation website that includes web scraping functionality to collect job listings. Overcame CAPTCHA challenges using proxy rotation. Data is updated daily via a cron job, and Scala is used for data analysis to recommend top job offers based on user CVs.

## TECHNICAL SKILLS

**Frontend Technologies:** React, Tailwind CSS, React Flow
**Backend Technologies:** Django, Django REST Framework (DRF)
**Programming Languages:** Java, Scala, Python, SQL, JavaScript
**Databases:** PostgreSQL, MongoDB, HBase
**Data Engineering:** HDFS, MapReduce, Spark, Kafka, Airflow, Hadoop
**Developer Tools:** Git, Docker
**AI Tools:** Linear Regression, NLP, PyTorch, Generative AI

## LANGUAGES

**English:** Fluent    **French:** Fluent    **Arabic:** Native speaker