



MOULOUDI Abdelhamid

Second year student at INSEA,
specialized in Data & Software Engineering

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Profile

Second year engineering student at the National Institute of Statistics and Applied Economics (INSEA), specializing in data & software engineering. I am looking for a 2 to 3 month PFA internship. My interest is mainly in the areas of data engineering, data analysis and web development. Motivated and eager to learn, I am ready to fully invest in the tasks assigned to me and available immediately.

SKILLS

- **Data Modeling**
- **Data Warehousing**
Apachw Airflow
- **Cloud computing**
AWS
- **Business Intelligence**
Power BI, Tableau
- **Data Analysis and Visualization**
Numpy, Pandas, Matplotlib, Seaborn
- **Computer Analysis and Design**
Merise, UML
- **Programming languages**
Java, Python, C, Assembler, JavaScript
- **Front-End Development**
 - HTML, CSS, Bootstrap, React JS, Vue JS
- **Back-End Development**
 - Java JEE, Spring Boot, PHP Symfony
- **SQL and NoSQL Databases**
PostgreSQL, MySQL, phpMyAdmin

Extracurricular

- **August 2023 - Today**
 - President of the INSEA IT club
 - Head of organizational cell of the GOLDEN club MEAN
- **September 2022-August 2023**
 - Member of the club's sponsorship unit INSEA IT
 - Member of the club's organizational cell GOLDEN MEAN

LANGUAGES

Fluent English)

Fluent French)

Arabic (native)

Education

- **National Institute of Statistics and Applied Economics (INSEA)** 09/2022
RABAT
Data & Software Engineering (DSE) Here
- **CPGE - Preparatory classes for Grandes Ecoles** 09/2020
Ibn Taher High School_ERRACHIDIA 07/2022
Mathematics and Physics
- **Scientific baccalaureate** 09/2019
Princess LALLA Salma _RISSANI High School 06/2020
Mathematics A

Professional experience

Full Stack Java Development Internship 07/2023 - 08/2023

Minister of digital transition and administration reform

- Design and production of a leave management web application for ministry employees, using the following technologies: UML, Figma, Bootstrap, React JS, Java Spring Boot.

Projects

- **AWS Cloud Project**

Development of a carpooling application for unicorns with authentication, ride management and cloud deployment features.

Tools: AWS S3, CodeCommit, Amplify, Cognito, Lambda, DynamoDB, API Gateway **Power BI Dashboard**

- **for Patient Waitlist Management**

Development of a Power BI dashboard to analyze and manage patient waiting lists, using public health data.

Includes the collection, transformation, modeling and visualization of data to improve decision making.

Tools: Power BI, DAX

- **Fraud Detection: Identity Card Verification System (eKYC)**

Development of an identity verification system to improve the security of user registration and authentication processes.

Tools: React.js, Tailwind CSS, Spring Boot, PostgreSQL, Keycloak, Hibernate JPA, REST API, OTP Service.

- **Power BI Dashboard for Financial Analysis**

Development of a Power BI dashboard to analyze employee income from a dataset from the year 2019-2020, to provide financial insights.