## HAITAM BIDIOUANE

## Software Engineering Student @ENSIAS

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## **EDUCATION**

#### **ENSIAS - SOFTWARE ENGINEERING DEGREE**

Major in Computer Science, National Higher School of Computer Science and Systems Analysis

#### MOULAY TAYEB EL ALAOUI HIGH SCHOOL

Baccalaureate's degree in Mathematical Sciences (Option B)

## **PROFESSIONAL EXPERIENCE**

## **DATA SOLUTIONS ENGINEERING INTERN**

SNRT - (NATIONAL COMPANY OF RADIO AND TELEVISION)

Enterprise ETL Pipeline for HR Data Processing

- Key Features: •
  - SOAP web service using ASP.NET Core and CoreWCF for data ingestion. -
  - ETL pipeline with Airflow for orchestration, Node.js for preprocessing, Kafka for streaming, Spark for transformation, and Cassandra for storage.
  - React-based platform for monitoring and reporting.
- Technologies: •

Apache Airflow, Kafka, Confluent, Apache Zookeeper, Apache Spark, React, Node.js, Express.js, ASP.NET Core, CoreWCF, Docker, Cassandra

#### SOFTWARE ENGINEERING INTERN

#### MINISTRY OF INDUSTRY AND TRADE

Centralized Internship Request Management System

Key Features: ٠

> Applicant interface for submitting requests with document uploads, and QR code generation for request tracking.

Internal HR and Services central solution for request reviewing, forwarding, and final decision-making, with real-time notifications, and an automated feedback system via email for applicants.

Technologies: • PHP, Symfony, PostgreSQL, NGINX, Docker, Mailhog, SMTP, Mercure (SSE Protocol), Merise, Git

## PROJECTS

#### DermAltool: Deep Learning and Full-Stack Project for Dermatological Diagnosis

- Key Features:
  - Built CNN classification models from scratch and trained them on dermatology datasets .
  - Developed a full-stack app for lesion images upload, classification results and history tracking per user.
  - Integrated post-diagnosis tracking and GRADCAM for advanced lesion identification.
- **Technologies:**

TensorFlow, Spring Boot, Apache Maven, Flask, ReactJS, Java, MySQL, UML, Tailwind CSS, Grad-CAM

# **OCTOBER 2024 – MARCH 2024**

14 Av. Moulay Abdelaziz, RABAT

AUGUST 2024 - September 2024

Mabella, RABAT

Bettana, SALE

2020 - 2021

2023 - Current

Madinat Al Irfane, RABAT