

# HAITAM BIDIOUANE

## Software Engineering Student @ENSIAS

Rabat, MOROCCO • h.bidiouane@gmail.com • + 212 684-85-2718 • [linkedin.com/in/haitam-bidiouane](https://www.linkedin.com/in/haitam-bidiouane)

## EDUCATION

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### ENSIAS - SOFTWARE ENGINEERING DEGREE

Madinat Al Irfane, RABAT

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

**2023 - Current**

### MOULAY TAYEB EL ALAOUI HIGH SCHOOL

Bettana, SALE

*Baccalaureate's degree in Mathematical Sciences (Option B)*

**2020 - 2021**

## PROFESSIONAL EXPERIENCE

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### DATA SOLUTIONS ENGINEERING INTERN

OCTOBER 2024 – MARCH 2024

#### SNRT – (NATIONAL COMPANY OF RADIO AND TELEVISION)

14 Av. Moulay Abdelaziz, RABAT

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

AUGUST 2024 – September 2024

#### MINISTRY OF INDUSTRY AND TRADE

Mabella, RABAT

Centralized Internship Request Management System

- Key Features:

- 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

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### DermAItool: 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, Java, Spring Boot, Apache Maven, UML, Flask, ReactJS, Tailwind CSS, MySQL, Grad-CAM*