

# FLICI Syrine Mahdia

📍 EL madania, Alger, Algeria    ✉ syrine.flici@gmail.com    ☎ 0655703930    📅 24/09/2000    🚗 Driving license type B

## Education

**Master in Intelligent Computer Systems,**  
*University of Science and Technology Houari-Boumediene, USTHB*  
09/2021 – 07/2023 | Bab Ezzouar, Algeria  
Top 10% of the class - Graduated with honors.

**Bachelor's degree in Information Systems and Software Engineering.,**  
*University of Science and Technology Houari-Boumediene, USTHB*  
09/2019 – 06/2021 | Bab Ezzouar, Algeria  
Top 10% of the graduating class - Graduated with highest honors.

**Baccalaureate in Mathematics, El Bidjaoui High School**  
09/2017 – 06/2018 | El Madania, Algeria  
Graduated with honors.

## Professional Experience

**Engineer AI and Development**  
09/2023 – present | Hydra, Algeria  
• Conception and realisation of an ETP server

**AI Engineer, Intern**  
02/2023 – present  
Automatic analysis and understanding of documents for a classification problem, at DataGenius.

**Software developer, Intern**  
07/2022 – 07/2022 | Kouba, Algeries, Algeria  
Designing and developing an Android application for interactive books using Vuforia under Unity at Digi Roots XR.

**Software developer, Intern**  
03/2021 – 06/2021 | Bach Jerrah, Algries, Algeria  
Design and implementation of an Android application at the National Technical Control Organization for Public Works (CTTP).

## Skills

**Data science**  
- Data Analysis & Visualization (PowerBI, NumPy, Pandas, Matplotlib)  
- Machine Learning and Deep Learning (Sklearn, Pytorch, Tensorflow)

**Android application**  
React Native, Javascript, NodeJS

**Desktop application**  
PyQt5, PySide2, JavaFX, Java swing

**Web application**  
Gradio, StreamLit, React Native, Flask, NodeJS, HTML, CSS

**Data base**  
SQL, MySql, SQLite, SQL3, MongoDB

**Conception and Modeling**  
UML, Merise

**Programming languages**  
Python, JavaScript, NodeJS, Java, C/C++

## Languages

Arabic • English • French

## Interests

Photography • Reading • Sport

## Projects

**Document Understanding**  
02/2023 – 07/2023  
A research project focused on document understanding for a classification problem.

**Search engine**  
12/2022 – 01/2023  
Creation and implementation of a search engine with various models (vectorial, boolean, probabilistic, and datamining) for the CISI test environment.

**Breakout game**  
11/2022 – 12/2022  
Creation and implementation of a breakout game using pixels from an image.

**Datamining application**  
10/2022 – 12/2022  
Implemented a graphical user interface (GUI) that aids in the visualization, analysis, and processing of data, with the ability to perform classification or clustering using various data mining models built from scratch (e.g., decision trees, random forest, KNN, K-means, Agnes, Diana, DBscan, Bayes).

**Choose a filter**  
10/2022 – 11/2022  
Designing and implementing a graphical user interface for selecting image filters to be applied as a preprocessing step for optical character recognition (OCR).

**Email classifier**  
05/2022 – 05/2022  
Implementation of an email classifier (spam or non-spam) with multiple models such as KNN, RNN, Naïve Bayes, SVM, and Logistic Regression using Python libraries.

**Puzzle solver**  
02/2022 – 05/2022  
Implemented a desktop application using Java Swing platform to solve the 4x4 sliding puzzle with various algorithms, including heuristics, genetic algorithm, particle swarm optimization algorithm, and more.

**Inventory of works of art**  
03/2021 – 06/2021  
Designing and implementing an Android application using React Native for inventory management of engineering structures, especially bridges, at the national technical control organization for public works (CTTP) as part of my final year project for my Bachelor's degree.

**Smile, Aiding associations**  
10/2020 – 12/2020  
Design and implementation of a desktop application with JAVA (JavaFX platform) to assist charity organizations in managing donations during the COVID-19 pandemic.

**Medical office**  
03/2020 – 06/2020  
Design and implementation of a desktop application using JAVA (JavaFX platform) for a medical office, intended for use by both the physician and the secretary.