

# El IMRANY Issam

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## Skills

- Back-End Development: Next.js | Flask | Java EE
- Front-End Development: React | Flutter | JavaScript | Bootstrap
- Database Management: MySQL | MongoDB | Oracle Database | PL/SQL
- Programming Languages: Java | Python | JavaScript | C++/C
- Other : LangChain | TensorFlow| PyTorch | linux/unix OS | IP/MPLS

## Experience

- |  |                                    |                |                          |
|--|------------------------------------|----------------|--------------------------|
| <b>Software Engineer, Intern</b>   | <b><u>SOFRETIM</u></b>             | Casablanca, MA | <b>07/2023 - 08/2023</b> |
| <ul style="list-style-type: none"><li>• Trained a speech-to-text (STT) system using PyTorch.</li><li>• Built the user interface using HTML, CSS (Bootstrap), and Flask for the backend.</li></ul>  |                                    |                |                          |
| <b>Software Engineer, Intern</b>   | <b><u>Diginevra Consulting</u></b> | Casablanca, MA | <b>06/2023 - 06/2023</b> |
| <ul style="list-style-type: none"><li>• Created a website for a local cooperation called Coopam (Flask, React)</li></ul>   |                                    |                |                          |
| <b>Chair</b>   | <b><u>IEEE student branch</u></b>  | Casablanca, MA | <b>10/2023 - 06/2024</b> |
| <ul style="list-style-type: none"><li>• Led and coordinated IEEE student branch activities, organizing events, workshops, and technical seminars.</li><li>• Managed a team of volunteers, overseeing budget, fundraising, and sponsorship efforts.</li><li>• Fostered collaboration with industry professionals and other student organizations, enhancing networking opportunities.</li></ul> |                                    |                |                          |

## Education

- |  |  |                |                          |
|--|--|----------------|--------------------------|
| <b>Master's in Computer Science</b>  | <b><u>International Academy of civil aviation - AIAC</u></b> | Casablanca, MA | <b>09/2022 - 06/2025</b> |
| <ul style="list-style-type: none"><li>• Courses: Data Structures, Analysis Of Algorithms, Distributed Systems, Design Patterns, Applied Mathematics.</li></ul>   |  |                |                          |
| <b>Manara Cohort</b>   | <b><u>Manara</u></b>   | Remote, USA    | <b>Ongoing</b>           |
| <ul style="list-style-type: none"><li>• Selected amongst 12500 of applicants from the MENA region as one of only 250 trainees for Manara Summer Cohort. Manara identifies top SWE students from MENA, pairing them with industry-leading instructors working at FAANG to help them get jobs at Big Tech companies.</li><li>• Courses: Advanced Data Structures &amp; Algorithms , System Design, Interview Techniques, Competitive Programming</li></ul> |  |                |                          |

## Projects

- **LLM interface** : an interface that includes the following utilities : a chatbot, a similarity search utility, a RAG system ( Next.js, RAG, LLM , OpenAI API) **(06/2024)**
- **BACGPT** : A website that helps Moroccan students to prepare for the final exam of French, using GPT-3.5 (python, flask, html, css ( bootstrap), JS, HTTP, API's, LLM) **(08/2023 - 10/2023)**
- **Self driving car** : I worked on the computer vision part of the project, where I applied Deep Learning algorithms for path detection and following ( Tensorflow, OpenCV, python, HTTP ) **(03/2023 - 07/2023)**
- **Chess Engine** : Developed a chess engine with alpha-beta pruning, piece evaluation, and move generation for competitive gameplay ( C programming language ) **(04/2023)**

## Mentorship

- **Machine learning Tutor**: Programming | TensorFlow |ML algorithms | API deployment ( **IT club, 2023/2024** )

## Competitions / hackathons

- **Attijari Wafabank coding challenge**: Won **3rd** place, I developed a functional task manager using Js in under 45 minutes. **(05/2024)**
- **ACC FinTech hackathon**: a strategy consulting hackathon hosted by the Mastercard company. We won 3rd prize. **(05/2024)**
- **MNPC23**: Ranked **12th** over about **300+** teams in this national competitive programming competition.. **(02/2024)**
- **SCH**: a strategy consulting hackathon hosted by **BCG**. We managed to get the **3rd** prize. **(01/2024)**
- **CROMEK robotics competition**: Won the **1st** prize, we presented our mini autonomous car. **(05/2023)**
- **RACE2SPACE**: In the **top 24** out of 1,600 applicants for this space program organized by the U.S. Embassy in Morocco. **(04/2020)**

## Languages

- **English** : Professional Working Proficiency
- **French** : Professional Working Proficiency
- **Arabic** : Native