



# Oussama Dhia Arouay

Software Engineering Student

Monastir, Tunisia

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## EXPERIENCE

### PROXIWEB

Intern Full Stack Web Developer Jun 2024 - Aug 2024, Djerba, Tunisia

#### AI-Enhanced Todo List Application

- Built a full-stack MERN app with AI-powered task generation.
- Developed RESTful APIs for authentication and task management.
- Integrated Google's Gemini for automatic task suggestions.
- Secured authentication with JWT and bcrypt.
- Implemented error handling and input validation.
- Managed data with MongoDB and Mongoose.
- Developed dynamic front-end with React.js and API integration.

**Technologies:** React.js, Node.js, Express.js, MongoDB, Mongoose, JWT, bcrypt, Google Generative AI (Gemini)

🔗 Link to code

## PROJECTS

### Cloud Resume Challenge

(Azure Edition) 06, 2024

**Solution:** Developed and deployed a cloud-based resume website with a dynamic visitor counter.

#### Features:

- Created a responsive resume using HTML, CSS, and JavaScript.
- Implemented a real-time visitor counter using an Azure Function API with C Sharp.
- Integrated the counter with Azure Cosmos DB for data storage and retrieval.

**Technologies:** HTML, CSS, JavaScript, Azure Functions, Azure Cosmos DB, Azure Storage

🔗 Link to code

### Simulation Mini Project

(Python Application) 11, 2023

- Developed a Python application to help casinos maximize revenue using Monte Carlo simulations.
- Implemented Monte Carlo simulation for statistical modeling and analysis.
- Visualized simulation results and insights using Matplotlib.

**Technologies:** Python, Matplotlib

🔗 Link to code

## Certification

**IBM-Coursera** 2024,

Tools for Data Science V2 🔗 Link

**IBM-Coursera** 2024,

Data Science Orientation 🔗 Link

## SUMMARY

As a final-year Computer Science student at ISIMM, I'm looking for an internship to apply what I have learnt in terms of technologies in these 3 years. I have learned best practices in programming across multiple languages and tools, enhancing my ability to tackle a range of challenges. I'm also a self learner and I'm open to tackle hard problems.

## EDUCATION

**ISIMM** Monastir, Tunisia

Bachelor's degree in computer science

Currently in final year, Expected

Graduation 06/2025

**Lycee Houmet** Djerba, Tunisia

**Souk**

Baccalaureate in Computer Science

Graduated with Honors, 2022

## SKILLS

**Programming** Java, Python, JS

**Web Development** MERN

**Database** MySQL,

MongoDB

**Tools, Technologies** Git, GitHub,

PyCharm

**Misc.** Matplotlib,

NumPy,

Microsoft Office,

Odoo, L<sup>A</sup>T<sub>E</sub>X

## LANGUAGES

- Arabic (Native)

- English (Intermediate)

- French (Intermediate)

## COMMUNITY LIFE

**The Code Bey** Monastir, Tunisia

Competitive Programming Club

Vice-President

**Aiesec Ruspina** Monastir, Tunisia

IGT Member