

# OMAR BOUASSIDA

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## Work Experience

### Webtrend

Jan 2025 – Jun 2025

*Software Engineer*

*Tunisia*

- Engineered **Machine Learning AI Model** that Detects **Instagram Fake Followers**
- Implemented **Secure Payment** Methods
- Developed an Influencer Marketing Platform
- Built a **Real-Time Communication System** using **WebSocket**

### Mentalyc Inc

Feb 2024 – Oct 2024

*Software Engineer*

*California*

- Optimized** Web Pages **load** duration by **50%**
- Fixed Critical Bugs
- Implemented Several Main Features

### Innovibe

Jun 2023 – Jan 2024

*Software Engineer Intern*

*Tunisia*

- Built and Deployed ERP System

## Education

### Higher institute of computer science and communication technologies Sousse

Graduated: Jun 2025

*Bachelor of Computer Science*

*Sousse, Tunisia*

### High School Of Othman Chatti Sousse

Graduated: Jun 2022

*Baccalaureate of Computer Science*

*Sousse, Tunisia*

## Projects

### Influencer Marketing Platform | *Demo*

NextJS | ExpressJs | MongoDB

- comprehensive influencer marketing platform connecting brands with content creators (payment , AI features ,social media integrations)

### Inightify | *Demo* | *Source Code*

React Js | Python | Flask | Gemini API

- An AI Quiz Generator for Students where you can upload your courses then the platform generates a 10 question quiz based on the uploaded courses to test your understanding of the Term

### Green Storyteller | *Demo* | *Source Code*

React Js | Javascript | Express.js | Gemini API

- "Green Storyteller" that generates eco-friendly children's stories using Google's Gemini AI based on user prompts, with features for text-to-speech narration and Indian Sign Language (ISL) visual representation of the stories. The application includes an interactive flipbook interface for reading stories, session history management, and accessibility features to make storytelling inclusive for children with different learning needs.

### BirthMate | *Demo* | *Source Code*

React Native | Firebase

- BirthMate is a bilingual (Arabic and French) React Native mobile application designed to support women during their pregnancy and childbirth journey. The app provides educational articles about delivery day, allows users to complete comprehensive birth experience evaluations through questionnaires, and offers resources to help women understand and reflect on their birthing experience.

### Mentalyc Demo | *Demo* | *Source Code*

React | SQL Lite | Express JS

- It's a platform for therapists to manage their clients and session recordings, allowing them to add, view, and delete patients and audio session data. It features secure login, note-taking, audio upload or live recording, and a searchable list of past sessions for efficient client management.

## Technical Skills

**Languages:** Python, Java, SQL, HTML5, CSS, JavaScript, Typescript

**Libraries/Frameworks:** Spring Boot, ReactJS, PostgreSQL, MYSQL, MongoDB, NextJS, NodeJS, Tailwind CSS, React Native

**Developer Tools:** Postman, Git, Docker, Jira, AWS