Massaoudi Yasmine

Software Engineering Student

Sousse, Tunisia

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SUMMARY

Software Engineering student (Bac+5, 2026) with strong analytical skills and hands-on experience in data-driven full-stack projects—ranging from predictive maintenance dashboards (Python, Streamlit, Pandas) to AI-powered platforms (LSTM, Random Forest, NLP). Passionate about leveraging data and AI to simplify complex business processes. Seeking a 6-month Data Analyst internship at Dassault Systèmes to contribute to sales forecasting, reporting alignment, and intelligent automation within the SBA team.

ACADEMIC BACKGROUND

National Diploma in Computer Engineering (Software Engineering) *2023 - 2026*

Higher Institute of Applied Science and Technology of Sousse, Tunisia

Bachelor's Degree in Information Systems Engineering – IoT Embedded Systems *2020 - 2023*

Higher Institute of Applied Science and Technology of Sousse, Tunisia

PROFESSIONAL EXPERIENCE

Freelance *Web Developer | ERP | Digital Twin | May 2022 - Present*

- Built websites and customized Odoo ERP modules for textile companies (KWM Altutex).
- Developed a 3D Digital Twin with real-time IoT data for predictive maintenance.

Tools : React.js | Next.js | Odoo | Python | Flask | Node.js.

Full-Stack JS Developer Intern *Anath Health Care SA | June – Aug 2025*

- Developed SteriBot's real-time dashboard (Next.js, Foxglove) and backend services (Nest.js).

Tools : Next.js | Nest.js | Swagger | firebase | Tailwind CSS.

Frontend Developer Intern *Pura Solutions | Jul – Sept 2024*

- Built Angular components for Plasfora, a medical tourism platform in Tunisia.

Tools : Angular | TypeScript | HTML | CSS.

Laravel Developer Intern *STOPTCA (Remote) | Jul – Aug 2024*

- Refactored calendar and booking modules for StopTCA healthcare platform.

Tools : Laravel | PHP | JavaScript | MySQL.

AI Full-Stack Intern *DM-Nova | Feb – May 2023*

- Developed "Dyslexia Support" platform with AI modules (prediction, STT, TTS, sentiment analysis).

Tools : React.js | Flask | Python | PostgreSQL | TensorFlow.

SKILLS

PROGRAMMING LANGUAGES	Java	Javascript	TypeScript	JSX	C	Python	PHP	R
FRAMEWORKS & LIBRARIES	Spring Boot	React.js	Next.js		Symfony	Laravel	Django	Flask
DATABASES	MySQL	NoSQL	SQL	MongoDB	PL/SQL	Firebase
COLLABORATIVE DEVELOPMENT TOOLS	Git	GitHub
METHODOLOGY	UML	Scrum	Design Patterns
OPERATING SYSTEMS	Linux	Windows
CLOUD & DEPLOYMENT	AWS	Docker
API TESTING AND DOCUMENTATION	Swagger	Postman
LANGUAGES	*Arabic	French	English*

PROJECTS

StopTCA Platform
Stage July 2024 – Aug 2024 | https://stoptca.fr/
- Developed the admin dashboard with KPIs (appointments, patients, practitioners, budgets) using charts and metrics for better monitoring.
- Refactored the practitioner calendar for mobile and implemented synchronization with external calendars.

Tools : Laravel | PHP | JavaScript | MySQL | CSS.

Société Caisson Tunisie
Freelance project | https://societe-caisson-tunisie.tn/
- Official showcase website for an industrial company, including products, services, gallery, and contact form.

Tools : Next.js | React | Tailwind CSS.

SteriBot
Intership project 2025
- Autonomous robot prototype for hospital room sterilization, with real-time navigation and monitoring interface.

Tools : Firebase | React.js | Next.js | NestJS | Foxglove.

Plasfora
Internship Jul 2024 – Sept 2024
- Frontend development of a medical tourism platform, improving accessibility and UX.

Tools : Angular | TypeScript | HTML | CSS | Git/GitHub.

Walyass
Academic Project 2022
- Car auction platform with AI-powered price prediction using CatBoost.

Tools : React.js | Flask | Python | Machine Learning | HTML/CSS/JS.

Gaming Platform
Academic Project 2023
- Multi-game application (Snake, Tetris, Brick Breaker, DiceRoll) with authentication and chat.

Tools : Java Swing | MySQL | Java RMI.

Dyslexia Support
Internship Project 2023
- Full-stack platform with dyslexia prediction (RandomForest), sentiment analysis (LSTM), and STT/TTS services.

Tools : Flask | Python | Bootstrap | SQLite3 | NLP | AI.

ExamPlanner
Academic Project 2025
- Web platform that generates personalized revision schedules for university students during exam periods.

Tools : Streamlit | Python | PostgreSQL.

Dash Maintenance Prédictive
Freelance Project 2025
- IoT dashboard for real-time and historical monitoring of industrial machines with predictive maintenance KPIs (OEE, MTBF, MTTR).

Tools : Streamlit | Python | Plotly | Pandas | NumPy.

Anime E-Commerce Website
Academic Project 2025
- Online store for anime/manga products with personalized 3D product modeling and interactive visualization.

Tools : Next.js | React | Three.js | SketchUp.

TaskFlow
Academic project 2025
- Task management web app with CRUD features and status tracking (to-do, in-progress, done).

Tools : Django | HTML/CSS | JavaScript | SQLite.

EXTRACURRICULAR ACTIVITIES

Role	Organization
General Secretary	*IEEE IAS ISSATSO SBC January 2024 – 2025*
Marketing Manager	*We Are Monastir January 2023 – September 2023*
Event Manager	*ATAST ISSAT Sousse September 2020 – June 2022*
Active Member	*ARSII Club ISSAT Sousse September 2022*
Ambassador	*4C ISSAT Sousse September 2021*
Active Member	*SPARK Club ISET Sousse September 2018 – June 2019*