



SOUISSI Sirine

📍 Hammamet, Nabeul

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Education

ITBS Nabeul

2022 – 2025

Computer Engineering.

ISSAT Sousse

2019 – 2022

National Diploma in Embedded Systems.

Experience

Stage de Projet de Fin d'Études (PFE)

Février 2025 – Juillet

Safran Tunisia

2025

- Pilotage de la digitalisation du processus de gestion des stages via le développement d'une application complète (full-stack) using **Spring Boot Angular**.

Summer Internship

June 2024 – August 2024

Safran Tunisia

- Developed an application for managing the E-Procure platform, implementing data extraction, spell correction, and budget prediction features using PyTorch and a BERT model.

Final-Year Project Internship

February 2022 – July

Madar Consulting Company Tunisia

2022

- Implemented an intelligent application for road management using Arduino boards.

Summer Internship

June 2021 – July 2021

ELEBAS Wiring Company Hammamet

- Discovered the functioning of industrial machines and gained a deeper understanding of maintenance methods.

Academic & Personal Projects

- *Web & Full-Stack Development*
- **MERN Stack Applications (Let's Post, Netflix Clone, Office Mgmt)**: Engineered multiple full-stack applications using the MERN stack (**ReactJS**, **NodeJS**, **Express**) with a **MongoDB** backend, testing APIs via **Postman**.
- **Library Management System**: Built a web application for document booking and borrowing, featuring a **Django** back-end, **MongoDB**, and deployed on **Google Cloud Platform (GCP)**.
- **Online Exam Management System**: Developed a web-based system for managing online examinations using **C#** and **ASP.NET**.
- **Desktop Application (Exam Management)**: Developed a standalone management software system in **C#**.
- *Mobile Development*
- **Cross-Platform App (WhatsApp Clone)**: Built a messaging application using **React Native**, featuring a real-time database with **Firebase**, **React Navigation**, and **Expo Go**.
- **Native Android Applications**: Developed two applications ('My Own Calculator', 'My Tracker') using **Java** and **Android Studio**.
- *Artificial Intelligence & Data Science*
- **Deep Learning (Drowsiness Detection)**: Implemented a real-time driver drowsiness detection system from video streams using **TensorFlow** and **OpenCV**.
- **Machine Learning (Diabetes Prediction)**: Created a predictive web application using a **Random**

Forest model and an interactive **Streamlit** front-end.

- **System Anomaly Management:** Implemented an **ELK Stack** pipeline (Elasticsearch, Logstash, Kibana) with a **Flask** API for real-time data collection, processing, and visualization.
- *Automation Software*
- **RPA Project (Flight Booking):** Automated the web-based flight booking process using **UIPath**.

Technical Skills

Programming Languages

- Java, Python, JavaScript, TypeScript, C#, SQL, PL/SQL

Frameworks & Libraries

- **Front-End:** Angular, ReactJS
- **Back-End:** Spring Boot, Node.js, Django, Flask, ASP.NET

Databases & Data Stores

- **SQL:** PostgreSQL, MySQL, Oracle (PL/SQL)
- **NoSQL:** MongoDB, Redis, Elasticsearch

Tools & Platforms

- **DevOps & CI/CD:** Docker, Kubernetes, Jenkins, Git
- **Cloud:** Google Cloud Platform (GCP)
- **Operating Systems:** Linux (Ubuntu, CentOS), Windows
- **Data Stack:** ELK Stack (Elasticsearch, Logstash, Kibana)

Certifications

- **Machine Learning Operations (MLOps) with Vertex AI: Manage Features**
Certification offered by *Google Cloud*.
- **PCAP: Programming Essentials in Python**
Certification provided by *Cisco Networking Academy* in collaboration with *OpenEDG Python Institute*.
- **Getting Started with Deep Learning**
Machine Learning certification by *Amazon Web Services Training and Certification*.
- **Cloud Engineer Professional Certificate**
Professional certificate by *Google Cloud*.

Languages

- English, French

Volunteer Experience

- **Tunisian Red Crescent:** Volunteer (2023, 2024)
- **Club Issatso:** Treasurer (2022)