

Wassim BAHLOUL

Computer Engineering Graduate

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Software Engineering and Decision Informatics graduate, passionate about software development, data science, and artificial intelligence, currently seeking a professional opportunity to launch my career.

EDUCATION

International Institute of Technology

Engineering Degree in Computer Science

Faculty of Sciences of Sfax

Preparatory Cycle in Physics and Chemistry, Admitted to the national engineering entrance exam

Mohamed Ali High School

Baccalaureate in Experimental Sciences

Ons City, Sfax

2022 – 2025

Sokra road, Sfax

Sep. 2021 – Jun. 2022

Sfax, Tunisia

Jun. 2019

PROFESSIONAL EXPERIENCE

Graduation Internship – Zen Home Group

Feb 10, 2025 – Jun 10, 2025

Intelligent system for sales prediction, product recommendation, and multimodal chatbot

Sfax, Tunisia

- Designed and implemented an intelligent system combining sales prediction, personalized product recommendation, and a multimodal chatbot.
- Developed a module for **predicting quantities sold** by sales line and location using **Machine Learning** models.
- Integrated an **intelligent search system**: by text (product descriptions) and by image (fashion style analysis).
- Implemented a **recommendation system** based on customer profiles and behaviors.
- Technologies: **Angular**, **Microsoft SQL Server**, **YOLOv8**, **ResNet50**, **BLIP Fashion**, **CLIP ViT-L/14**, **Sentence Transformers**, **XGBoost**, **DeepSeek V3**, **FAISS**, **MarianMT**, **KNN**, **Cosine Similarity**

Summer Internship – Informatique Business Solutions

Jun 15, 2024 – Jul 15, 2024

Interactive E-learning Platform

Sfax, Tunisia

- Designed and developed an interactive online learning platform to support student learning across various domains. The project, built using the **MEAN stack**, included content management, student registration, and payment systems.
- Technologies used: **MongoDB**, **Express.js**, **Angular**, **Node.js**

End-of-Year Internship – StartUp Rec-INOv

Feb 1, 2024 – Jun 1, 2024

CV Processing System

Sfax, Tunisia

- Developed a CV processing system with skill-based question generation, response evaluation, results visualization, and personalized recommendations.
- Technologies used: **MongoDB**, **Express.js**, **React**, **Node.js**, **PyMuPDF**, **Flask**, **BERT**, **COSINE SIMILARITY**.

Summer Internship – STEG

Jul 1, 2023 – Aug 1, 2023

Print Center Management (Sfax IT Center – “CTI”)

Sfax, Tunisia

- Developed a stock management website for the print center, with a logging system to track all site interactions. The project, built using **PHP** and **JavaScript**, enabled accurate operation tracking and simplified stock management.
- Technologies used: **PHP**, **JavaScript**, **MySQL**.

SKILLS

Programming Languages: Python, Java, JavaScript, C#, PHP

Frameworks and Libraries: Angular, React, .NET, Node.js, Express.js, Spring Boot, Flask, FastAPI, Vue.js, Laravel

Databases: MySQL, MongoDB, SQL Server

Machine Learning and Deep Learning: TensorFlow, Keras, PyTorch, XGBoost, Matplotlib, Seaborn

Computer Vision: YOLOv8, ResNet50, BLIP Fashion, CLIP ViT-L/14, DeepSeek V3

Natural Language Processing (NLP): BERT, MarianMT, Sentence Transformers, Cosine Similarity, Tokenization, LLM, Semantic Search

Tools and Systems: Docker, Git, Windows, Visual Studio Code, PyCharm

CERTIFICATIONS

Big Data Engineer Certificate

IBM – 2025

Deep Learning with TensorFlow 2

365 Data Science – 2024

Generative AI with Diffusion Models

NVIDIA – 2024

Scrum Fundamentals Certified (SFC)

SCRUMstudy – 2023