

Achref Abidi

Software Engineering Student

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GitHub Profile

LinkedIn Profile

EDUCATION

Computer Science and Multimedia Engineering

2023–current

Higher Institute of Arts and Multimedia Manouba, Manouba Campus

Bachelor of Information Technology (Development of Information Systems)

2023

Higher Institute of Technological Studies, Jendouba

Baccalaureate of Experimental Science

2020

Liberty High School, Jendouba

PERSONAL AND ACADEMIC PROJECTS

Backend Project - Group Semester Project

Participation in the development of a semester-long group project, mainly focused on management system functionalities.

Technologies used: MongoDB, Express.js, React.js, Node.js.

Arabic Morphosyntactic Analyzer

An optimized LLM model designed to analyze diacritized Arabic sentences, identifying words and their grammatical roles.

Identification of words' linguistic properties and grammatical roles (type, case, gender, etc.).

Technologies used: Python, LLM.

University Management System

Scalable university management system in TypeScript following SOLID, GoF, and GRASP principles for maintainable architecture.

Technologies used: TypeScript, Node.js, Tailwind CSS, Supabase.

Project Management System

MERN application for project and team management, featuring authentication, user roles, and a responsive React interface.

Technologies used: MongoDB, Express.js, React, Node.js.

PROFESSIONAL EXPERIENCE

Summer Internship – VR Solution for Interior Design

July 2025 - August 2025

Instar, Tunis

Development of an immersive VR solution on Meta Quest 3 allowing architects to place furniture and design interactive interiors.

Technologies used: Unity, C, Blender, Meta Quest SDK.

Summer Internship – GitSync Manager

July 2024 - August 2024

MajestEYE, Jendouba

Management of private GitHub repositories through a unified dashboard using GitHub APIs.

Technologies used: React, Node.js, Express.js, GitHub API.

Final Year Project – Bachelor's Degree

February 2023 - June 2023

Digix, Sakiet Ezzit, Sfax, Tunisia

Remote

Development of a mobile application dedicated to mental health. Monitoring of mental health variations through features such as meditation, mood tracking, and a trained chatbot.

Technologies used: Flutter, NLTK, Flask, NLP, TensorFlow, Firebase.

TECHNICAL SKILLS

Languages

Python, Java, C++, C#, JavaScript, TypeScript

Libraries

Python (pandas, numpy, transformers — NLP and LLMs)

Tools/Methodologies

Git, GitHub, Agile SCRUM, UML, VSCode, Jupyter, Docker, Postman.

Web Frameworks

ReactJs, ExpressJs, ThreeJs

Cloud/Databases

MongoDB, Firebase, MySQL

Soft Skills

Problem Solving, Presentation, Adaptability, Creativity

LANGUAGES

Arabic: Native language

English: Fluent

French: Good level