

# Achref Abidi

Software Engineering Student

+216-93 020 718

✉ abidi.achref030@gmail.com

🔗 GitHub Profile

🌐 LinkedIn Profile

## EDUCATION

<b>Computer Science and Multimedia Engineering</b>	2023–current
<i>Higher Institute of Arts and Multimedia Manouba, Manouba Campus</i>	
<b>Bachelor of Information Technology (Development of Information Systems)</b>	2023
<i>Higher Institute of Technological Studies, Jendouba</i>	
<b>Baccalaureate of Experimental Science</b>	2020
<i>Liberty High School, Jendouba</i>	

## PERSONAL AND ACADEMIC PROJECTS

<b>Backend Project - Group Semester Project</b>
<i>Participation in the development of a semester-long group project, mainly focused on management system functionalities.</i>
Technologies used: MongoDB, Express.js, React.js, Node.js.
<b>Arabic Morphosyntactic Analyzer</b>
<i>An optimized LLM model designed to analyze diacritized Arabic sentences, identifying words and their grammatical roles.</i>
Identification of words' linguistic properties and grammatical roles (type, case, gender, etc.).
Technologies used: Python, LLM.
<b>University Management System</b>
<i>Scalable university management system in TypeScript following SOLID, GoF, and GRASP principles for maintainable architecture.</i>
Technologies used: TypeScript, Node.js, Tailwind CSS, Supabase.
<b>Project Management System</b>
<i>MERN application for project and team management, featuring authentication, user roles, and a responsive React interface.</i>
Technologies used: MongoDB, Express.js, React, Node.js.

## PROFESSIONAL EXPERIENCE

<b>Summer Internship – VR Solution for Interior Design</b>	July 2025 - August 2025
<i>Instar, Tunis</i>	
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.	
<b>Summer Internship – GitSync Manager</b>	July 2024 - August 2024
<i>MajestEYE, Jendouba</i>	
Management of private GitHub repositories through a unified dashboard using GitHub APIs.	
Technologies used: React, Node.js, Express.js, GitHub API.	
<b>Final Year Project – Bachelor's Degree</b>	February 2023 - June 2023
<i>Digix, Sakiet Ezzit, Sfax, Tunisia</i>	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

<b>Languages</b>	Python, Java, C++, C#, JavaScript, TypeScript
<b>Libraries</b>	Python (pandas, numpy, transformers — NLP and LLMs)
<b>Tools/Methodologies</b>	Git, GitHub, Agile SCRUM, UML, VSCode, Jupyter, Docker, Postman.
<b>Web Frameworks</b>	ReactJs, ExpressJs, ThreeJs
<b>Cloud/Databases</b>	MongoDB, Firebase, MySQL
<b>Soft Skills</b>	Problem Solving, Presentation, Adaptability, Creativity

## LANGUAGES

<b>Arabic:</b> Native language	<b>English:</b> Fluent	<b>French:</b> Good level
--------------------------------	------------------------	---------------------------