

Hadil Dahech

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ABOUT ME

I'm a student in Information and Communication Technology (ICT) at ISIMM, motivated and adaptable, with strong teamwork, communication, and problem-solving skills. Passionate about learning and contributing to innovative projects in technology-driven environments.

EDUCATION

Higher Institute of Computer Science and Mathematics of Monastir Currently pursuing a Bachelor's Degree in Information and Communication Technology (ICT)	2021-present
18 January Secondary Institute, Jbeniana Baccalaureate in Experimental Sciences – Honours	2020-2021

PROJECTS AND EXPERIENCES

Smart Daily Wellness Assistant (IoT & Intelligent Well-Being) – (PFA Project)	Sep – Dec 2025
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This end-of-year project presents a smart daily wellness assistant combining web development, AI, and IoT. The application features productivity tools such as a Pomodoro timer, task management, music playback, and an AI assistant. It integrates an ESP32-controlled RGB LED system to visually represent focus modes or emotional states, supported by real-time emotion detection using a webcam and DeepFace. The Flask backend connects the frontend, AI, and hardware, showcasing skills in full-stack development, IoT, and intelligent systems.

Intelligent Home Automation System – (PFA Project)	Jan – May 2025
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Built a real-time IoT-based smart home system integrating Arduino boards, sensors (DHT11, LM35, LDR, soil humidity), and actuators. Developed a mobile application & LCD interface for monitoring Temperature, humidity, and lighting. Automated irrigation and room lighting with manual/remote override via mobile app

PCB Design Volunteer – CPU Club	Febr – 2023
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Collaborated with club members to design and prototype printed circuit boards (PCBs) for student and IoT projects. Used tools such as Proteus for schematic design and PCB layout. Assisted in testing, soldering, and troubleshooting electronic circuits. Supported workshops to help new members learn about PCB fabrication and embedded systems,

SKILLS

Languages: Python, JavaScript, HTML/CSS

Embedded: Arduino, ESP32, Sensors (DHT11, PIR, LDR), PCB Design (Proteus)

AI/Computer Vision: OpenCV, Facial Expression Analysis

Dev Tools: Git/GitHub, VS Code

LANGUAGES

Arabic – Native , French – B2 ,English – C1