Mohamed Aziz Turki

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ABOUT ME

Adaptable and creative professional with practical experience in education (IT & young learners), video editing (After Effects, Sony Vegas), and IoT development (ESP32, Raspberry Pi). Seeking part-time or remote opportunities. Strong communicator, hands-on problem solver, and quick learner.

EDUCATION AND TRAINING

15/09/2025 – CURRENT Milan, Italy
MASTER'S DEGREE IN ARTIFICIAL INTELLIGENCE FOR SCIENCE AND TECHNOLOGY Università degli Studi di Milano-Bicocca

Website https://www.unimib.it

15/09/2021 – 08/06/2024 Rades, Tunisia
BACHELOR'S DEGREE IN INFORMATION TECHNOLOGY, EMBEDDED AND MOBILE SYSTEMS Higher Institute of Technological Studies of Rades

Website http://www.isetr.rnu.tn

15/09/2020 – 08/06/2021 Bizerte, Tunisia
BACCALAUREATE IN TECHNICAL SCIENCES Farhat Hached High School, Bizerte

WORK EXPERIENCE

AL MAARIFA PRIVATE HIGH SCHOOL – BIZERTE, TUNISIA
ICT TEACHER – 15/09/2024 – 15/06/2025

LIFEYE – KEF, TUNISIA
INTERN – SMART TRAFFIC SYSTEM DEVELOPMENT (GRADUATION PROJECT) – 12/02/2024 – 15/05/2024

- Designed a smart traffic prototype using **Heltec Wireless Stick** and **Raspberry Pi 4**.
- Implemented **AI-based vehicle detection** to prioritize emergency vehicles at intersections.
- Integrated communication for smart vehicles to receive live traffic light states.
- Improved urban traffic flow simulation through IoT integration.

FUBA PRINTED CIRCUITS – BIZERTE, TUNISIA
INTERN – SECURITY SYSTEM DEVELOPMENT – 10/01/2023 – 12/02/2023

- Developed a security system with **ESP8266** to monitor temperature and control a solenoid valve.
- Triggered **alarms and mobile alerts** when temperature thresholds were exceeded.
- Enhanced workplace safety by combining IoT sensors and mobile notifications.

FREELANCER – BIZERTE, TUNISIA

JUNIOR FRONTEND DESIGNER – 15/06/2022 – 15/09/2022

- Designed and implemented **responsive web interfaces** using HTML, CSS, JavaScript, and PHP.
- Collaborated with clients to refine designs and improve user experience.
- Delivered small-scale websites and prototypes within deadlines.

NETWORKS AND MEMBERSHIPS

30/10/2022 – 15/10/2023 Tunisia, Rades
Media Manager – IEEE RAS Student Chapter

- Created digital content (graphics, short videos) for the student robotics society.
- Managed social media presence, increasing visibility of events and competitions.
- Supported robotics team in competitions (Monastir, Nabeul, Tunis, Rades).

PROJECTS

20/10/2023 – 01/10/2024
All-Terrain Robot

- Developed a robot capable of navigating various terrains with advanced motor control.
- Utilized **ESP32** for central control, **two BTS7960 motor drivers** for robust motor management, a **Battery Management System (BMS)**, a battery, and an **H-bridge** for smooth operation.
- Gained hands-on experience in hardware integration, power management, and robotic control systems

15/11/2023 – 20/11/2023
Smart Light Control

- Designed and implemented a system to control household lights using an Android app.
- Utilized **ESP8266** for hardware control, **HiveMQ** as the MQTT broker, and **Android Studio** for app development.
- Enhanced home automation with a user-friendly interface and reliable communication.

LANGUAGE SKILLS

Mother tongue(s):   **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	B2	B2	B2	B2
FRENCH	B2	B2	B2	B2	B2
ITALIAN	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Digital

After Effects ｜ Sony Vegas ｜ Instagram content creation ｜ Figma

Iot & Technical

Microcontroller programming such as Arduino ESP8266 & ESP32 ｜ Raspberry Pi4 ｜ Good programming skills with: Python, C++, Arduino IDE, MATLAB ｜ VHDL language (basic) ｜ – C, C++ , JAVASCRIPT, CSS3, HTML5, PYTHON, PHP

Teaching & Communication

Tutoring ｜ Lesson planning ｜ English teaching for children ｜ IT education

● HOBBIES AND INTERESTS

Soccer

Music

Workout

● CREATIVE WORKS

13/09/2024 – CURRENT
Instagram (Video Edits)

Link https://www.instagram.com/sc6rch_