

MAHMOUD ABDELRAHIM

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Passionate and highly motivated Computer science student. Having hands-on experience designing and developing web applications utilizing WordPress and front-end technologies. Currently seeking a position in the software industry.

EDUCATION

2022/09 – present

Messina, Italy

B.S. Computer Science – Data Analysis

University of Messina

Relevant courses: Algorithms and Data Structures, Object-Oriented Programming (OOP), Computer Networks, Data Modeling, Databases, Operating Systems, Statistical Models

PROFESSIONAL EXPERIENCE

2023/11 – present

Messina, Italy

AI Division Member

Zancla E-Drive 📍

- Member of Artificial Intelligence team responsible for developing machine learning models for driverless race vehicle.
- Utilizing Python and Robot Operating System (ROS) to emulate vehicle movement and simulate real-world racing scenarios.

2022/05 – 2022/09

Khartoum, Sudan

Web Designer

Freelance

- Designed and developed various WordPress websites for an **educational consultant** 📍, implementing custom themes and plugins to create user-friendly and visually appealing platforms.
- Successfully implemented SEO strategies that ranked both websites on the first page of search engine results, driving increased traffic and visibility.
- Integrated an application system into the websites to efficiently receive and manage student applications.

2021/05 – 2022/07

Khartoum, Sudan

Technical Team Member

IEEE University of Khartoum Branch

- Provided technical support to staff and attendees and ensured smooth functioning of all technical aspects during events.
- Configured network devices and troubleshooted bugs.
- Assisted mentors to deliver online sessions and courses.
- participated in organizing CodeRally programming contest and IEEEExtreme

SKILLS

Technical skills:

Python C Java PHP JavaScript
HTML/CSS WordPress Django MATLAB
MySQL MongoDB Neo4j Docker Linux Git

Soft skills:

Teamwork, Communication
Problem solving, Creativity,
SOLID principles

PROJECTS

University website [↗](#)

Wordpress | Elementor pro | PHP

- Designed and deployed a University utilizing Wordpress and Elementor plugin creating user-friendly interface.
- Developed admission application system allowing students to apply online.

TalkToBot [↗](#)

Python | API | speech-to-text | text-to-speech

- Developed a Python-based voice assistant records speech, convert to text, interact with ChatGPT using OpenAi API to get response then convert to speech

ChatApp [↗](#)

JavaFX | Sockets | Synchronization | OOP

- Developed a Java-based Messaging App utilizing multithreading to enable real-time client-server communication for message transmission over TCP/IP protocols

Blog

PHP | HTML | CSS

- designed simple blog website covering all aspects: database, backend (php) and front-end

HireMe [↗](#)

Django | RestAPI | HTML | CSS

- Designed and developed a Django-based job board web application using Django REST Framework (DRF) to implement RESTful APIs for job posting, search, and application functionalities.
- Implemented user authentication, job listing and filters.

Portfolio [↗](#)

WordPress | Elementor Pro | PHP

- Created and launched my personal portfolio website using WordPress and Elementor Pro
- Implemented dynamic features and animations using Elementor Pro's advanced widgets and animations
- Integrated WordPress plugins for enhanced functionalities, such as contact forms, galleries, and social media integration

LANGUAGES

Arabic (C2) | English (C1) | Italian (B1)