

Mahmoud Ragab Omara

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Phone: +20 127 8224 761

Location: Cairo, Egypt

Education:

BSc in Computer Science and Artificial Intelligence, Helwan University (2024)

Languages:

-Arabic (Native)

-English (Very good)

Technical Skills

Languages: PHP, Python, JavaScript

Databases: MySQL, SQL, MongoDB

Runtime Environment: Node.js

Frameworks/Libraries: Express.js, React, Bootstrap

Tools: Git/GitHub, XAMPP

General Knowledge: HTML, CSS, C, Java

Projects:

Attendance System (OCT 2023 - JUN 2024)

- Developed the backend for an attendance system designed to track and manage attendance for educational or corporate environments.
- Implemented RESTful API endpoints using Node.js and Express.js to handle data operations.
- Utilized MySQL for efficient database management and ensured secure and scalable data storage.
- Integrated user authentication and authorization to protect sensitive information and manage access rights.
- Collaborated with frontend developers to ensure seamless integration and functionality across the entire application.

Booking Appointment System (MAY 2023 - JUL 2023)[\[click for GitHub repo\]](#)

- Developed a comprehensive booking system facilitating appointments between professors and students.
- Designed and implemented backend functionality using Node.js and Express.js, ensuring efficient data flow and secure API endpoints.
- Managed MongoDB for database operations, enhancing data management efficiency.
- Implemented user authentication and authorization mechanisms to ensure data security and privacy.
- Collaborated with team members using Git/GitHub to troubleshoot issues, optimize performance, and implement new features.

Learning Management System (L.M.S.) (JUL 2022 - OCT 2022)

- Customized a Bootstrap template (sb-admin 2.0) and enhanced user experience with JavaScript modifications.
- Developed a full PHP backend for efficient data transfer and logical workflow.
- Managed MySQL database on XAMPP, reducing data retrieval time.
- Independently improved the project until deployment, resulting in nearly bug-free software.

Off-road assistance (Sal7ly) (MAY 2022 - JUN 2022)

- Developed custom front-end using HTML, CSS, and JavaScript, improving user engagement.
- Designed and implemented a PHP backend for accurate and efficient data transfer.
- Managed MySQL database on XAMPP, reducing data retrieval time.
- Completed the project within a tight deadline, achieving high stakeholder satisfaction.

Certificates:

- [Python Programming Basics from ITI platform \(Mahara-Tech\).](#)
- [Building Web Applications using PHP & MYSQL from ITI platform \(Mahara-Tech\).](#)
- [The Complete Node.js Course \(RESTful Web Services with Node.js, Express, and MongoDB\).](#)
- [JavaScript from ITI platform \(Mahara-Tech\).](#)
- [Modern JavaScript: ES6 and beyond from ITI platform \(Mahara-Tech\).](#)
- [Introduction into MongoDB from ITI platform \(Mahara-Tech\).](#)
- [The principles of writing clean code from ITI platform \(Mahara-Tech\).](#)