

MOHAMED ESMAT

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Military Status: Finished

EDUCATION

Helwan University – Bachelor of Science

Major: CS and Statistics

Master In IOT

Cairo, EG

2019 – 2023

2023 – Now

GRADUATION PROJECT

Smart Attendance by Facial Recognition Desktop Application (Python) – Grade A+

- Implemented a program that takes automatic attendance for students.
- Used Tensorflow for the machine learning model.
- used pandas library to export the attendance data to an excel sheet for ease of post-processing.
- The program has two use case scenarios one for students (guest) and one for the teacher. (admin)
- Used a Python Tkinter GUI.
- Used SQL for DB management.

EXPERIENCES

Advance Company | Front-end Web Internship

Aug. 2022 – Oct. 2022

- Developed and maintained responsive web pages using HTML, CSS, and JavaScript, ensuring an intuitive user experience.
- Worked with version control tools like Git and GitHub to manage code and collaborate effectively within a team.
- Gained experience with front-end development frameworks like React, contributing to the development of interactive web components.

Military Service | Soldier in Electronic Warfare unit

Oct. 2023 – Dec. 2024

- Served as a soldier in the Electronic Warfare Unit, contributing to national defense efforts through technical support, system maintenance, and cybersecurity initiatives.

COURSES

Root | Front-end Course

Jan. 2023 – April 2023

- Completed an intensive front-end development course, focusing on building responsive and user-friendly web interfaces using HTML, CSS, JavaScript, and modern frameworks.
- Developed practical skills in utilizing design patterns, front-end tools, and libraries like React JS to build interactive web applications.
- Gained hands-on experience with version control (Git) and project management, collaborating with peers to deliver real-world projects.

Complete Web Development Bootcamp | Angela Yu (Udemy)

2024

- Completed an extensive web development bootcamp covering full-stack technologies such as HTML, CSS, JavaScript, Node.js, Express, MongoDB, and more.
- Built and deployed multiple full-stack applications, gaining hands-on experience in both front-end and back-end development.
- Learned advanced web development concepts, including APIs, authentication, and integrating third-party libraries and frameworks into projects.

TECHNICAL SKILLS

- **JavaScript, jQuery, and Node.js:** Proficient in writing efficient, modular JavaScript code for both client-side and server-side, enabling dynamic interactions and scalable back-end solutions.
- **HTML, CSS, Bootstrap, Tailwind CSS, and Flexbox:** Skilled in creating responsive and visually appealing web designs using semantic HTML, custom CSS, utility-first frameworks, pre-built component libraries, and layout techniques like Flexbox.
- **React JS and EJS:** Competent in building dynamic front-end applications using React's component-based architecture and server-side rendering with EJS for seamless data-driven templates.
- **SQL and PostgreSQL:** Proficient in database design, optimization, and query execution for managing and scaling relational databases.
- **Python and OOP:** Experienced in developing efficient, reusable, and maintainable applications using Python, applying Object-Oriented Programming principles.
- **Git and Github:** Skilled in version control, branch management, and collaboration, ensuring codebase integrity and teamwork efficiency.

PROJECTS

Portfolio Website

- Used HTML, css, react.js and java script to create an interactive Portfolio website.
- The website has many features , it can forward emails to my personal email, etc.
- Used model-view-controller technique to organize the website logic.

Weather App

- Developed a comprehensive weather application that provides real-time weather updates, forecasts, and location-based services.
- Designed and implemented the full-stack architecture and tried to utilize the following, React, Node.js, for seamless user experience and efficient server-side functionality.
- Optimized front-end performance to ensure fast loading times and responsive design across various devices.

Car License Plate Detection

- Developed a car license plate detection system using MATLAB, utilizing image processing techniques to accurately identify and extract license plates from vehicle images.
- Optimized the program for real-time processing, the program can be used for real time applications like traffic monitoring or parking systems.

NFT Creation and Marketplace

- Built a marketplace that the users can use to show, sell, buy NFTs, through smart contracts.
- Built a user-friendly front-end interface for seamless interaction, integrating wallet connectivity and real-time transaction tracking.
- Used React, Node.js, for the front end and back end development.

LANGUAGES

- Arabic: Native
- English: Very good