Asmaa Elhussieny

asmaamahmoud083@gmail.com ✉

github.com/AsmaaMahmoud12 🌐

linkedin.com/in/asmaa-mahmoud-5389601b8 in

Work Experience

FRONTEND DEVELOPER | PULSE FOR INTEGRATED SOLUTIONS [5/2022 – 7/2023]
- Worked as a Frontend Developer using Typescript and Angular framework on designing and implementing the web application of a patient care system for hospitals.

JAVASCRIPT DEVELOPER | GPS COMPANY [1/2022 – 5/2022]
- Worked on developing educational games using Javascript integrated with Adobe Animate.

Education

Systems and Biomedical Engineering | Cairo University [2016 – 2021]

GPA: Very Good (A-)

Skills

Languages: JavaScript, TypeScript, SQL, Python, C/C++, HTML, CSS, SCSS

Technologies: React.js, Redux, jQuery, Angular, Firebase, Bootstrap, Ionic, MySQL, Git

Courses

Front-end Web UI Frameworks and Tools: Bootstrap 4 | Hong Kong University

Front-end Web Development with React | Hong Kong University

Machine Learning | Stanford University

Projects

Content-Based Image Retrieval System (Graduation Project)
- A system that identifies and retrieves historical dermatology cases similar to a currently investigated case, to provide a second opinion for low-experience dermatologists.
- Implemented in **Python** by extracting several handcrafted features and convolutional neural networks (CNNs) with transfer learning of two models (Alexnet and Vgg16).

Beach Resort Application
- A web application for booking rooms in a resort using **JS** and **React** framework.
- Project Link | https://peachresortapplication.netlify.app

Hospital Information System | Radiology Department
- Project Link | https://hospital-information-system-website.netlify.app
- Implemented the front-end of the web application using: **JS**, **Bootstrap**, **CSS**, and **HTML**.

Computerized Management Maintenance System
- A web application for management and maintenance of medical equipment in hospitals.
- Implemented the front-end of the web application using: **JS**, **Bootstrap**, **CSS**, and **HTML**.

Self-Navigating Car
- A remote-controlled car that had a self-navigation mode using image processing.
- Implemented a cross-platform application using **Ionic**. The application was used to either control the car manually, or in self-navigation mode. In self-navigation mode, the application is used to receive camera frames from the car, send them to an image processing server, then control the car based on the server response.

Shazam-like Application
- A desktop application implemented in **Python (PyQt)** where two songs can be mixed, then the most similar songs to the new mixed one are fetched from a database of songs.

Music & Vocals Extractor
- A desktop application implemented in **Python (PyQt)** that separates music and vocals in songs.