

Hla Essam

Frontend Developer

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Career Objective

Computer Science graduate eager to embark on a challenging journey as a Frontend Developer. Equipped with practical experience and a solid foundation in web development, ready to contribute to innovative projects that leverage cutting-edge technology, with a strong commitment to continuous learning.

Education

Helwan University

BSc in Medical Informatics - Faculty of Computers and Artificial Intelligence

Sep. 2019 – June 2023

Cairo, Egypt

GPA 3.51

Experience

Freelancer Frontend Developer

Present

- Developed responsive and visually appealing websites using HTML, CSS, and JavaScript.
- Collaborated with clients to understand project requirements, managed timelines efficiently, and consistently delivered high-quality, user-friendly web applications.

Mahara Tech

Nov. 2021 – Feb. 2022

Web and User Interface Development Intern

- Acquired proficiency in HTML, CSS, Flex System, Grid System, Bootstrap, JS, Regular Expressions and freelancing techniques.
- Developed practical skills in creating user-friendly and responsive web interfaces, preparing for a successful freelance career.

Projects

Studio60 Architecture PC Website | *GitHub*

in progress 2024

- Provides details on the company's completed projects and an overview of its services.
- Offers instructions on how to engage with the company for project implementation.
- Enables users to explore the portfolio, learn about the company's mission, and communicate their requests.
- **Technologies:** HTML - CSS - JS - swiper. **IDE:** VSCode

Front-End PC Template | *GitHub*

Nov. 2023

- Showcased various techniques and strategies to advance my expertise in CSS and HTML.
- Focused on hands-on practice and experimentation to refine my skills and achieve proficiency in both languages.
- **Technologies:** HTML - CSS. **IDE:** VSCode

AI-Based Healthcare Monitoring System using IOT - Graduation Project

June 2020

- Developed an IoT-based system for monitoring patients' health, incorporating a smart band and an LLM model, both deployed on a mobile application.
- The application provides numerous facilities to assist patients and doctors, including free medical consultations, reducing the burden in hospitals, and aiding patients with chronic diseases in critical conditions.
- Focused on key objectives such as offering free medical consultations, alleviating hospital burdens, and supporting critically ill patients with chronic diseases.
- Involved in developing Android applications, designing databases, and creating APIs to ensure seamless connectivity.
- **Some Technologies:** Java, Python - C - XML - MySQL-PHP. **IDE:** Android Studio - Kaggle Notebook - Arduino.

Real Time Traffic light System - Dashboard

Apr. 2022

- Organized traffic condition and control it in one way. And two-way roads.
- Control traffic by indicating when vehicles must stop and when they can continue.
- When pedestrians push the button, it regulates traffic flow.
- **Technologies:** HTML- CSS - JavaScript - typescript - bootstrap - firebase - Angular. **IDE:** VSCode.

N Queen problem

Nov. 2022

- Solving the N-Queen question using backtracking and differential evaluation algorithms
- **Technologies:** Python. **IDE:** VSCode.

Brain Tumor Detection **Nov. 2022**
• Developed an ML project to distinguish benign from malignant tumors using a tagged dataset of X-ray brain images.
• Employed KNN and other algorithms to accurately determine the presence of brain tumors in patients.
• **Technologies:** Python. **IDE:** Anaconda -Jupyter Notebook.

Image Processing Filters **Nov. 2022**
• Digital image processing project to apply techniques to enhance image.
• **Technologies:** Fortran **IDE:** MATLAB.

Task management **Jan. 2021**
• Developed a desktop application for task management that clarifies access rights for administrators and employees.
• The application allows authorized users to add, update, and delete data as needed.
• **Technologies:** Java - XML - SQL. **IDE:** NetBeans -PhpMyadmin.

Simple File Manager **Nov. 2021**
• Simple Linux Ubuntu project that provides a user interface to manage files and directories and simulates the terminal in Ubuntu Linux.
• **Technologies:** Java . **OS Platform:** Ubuntu.

Courses

Android App Programming - UDACITY **Oct. 2022**
FrontEnd Developer Track **Sept. 2020**
SQL summer training - DataCamp **Aug. 2020**
Machine learning training - DataCamp **Apr. 2022**

Technical Skills

Languages: Java - C++ - C - SQL - Familiar with Python

Related Skills: Data Structure & Algorithms - OOP - Solid Principles - Design Pattern - Clean Code.

Web : HTML - CSS - Flex - Grid - Bootstrap - JavaScript - Regular Expressions - Familiar with angular

Databases : Database Design - MySQL - SQL Server.

Developer Tools: VS Code - Apache Net-Beans - Code Blocks - Arduino IDE - Android Studio - MATLAB.

Tools and Methodology : Git and GitHub version control - Problem-Solving - Debugging.

OS Platforms : Windows - Linux.

Soft Skills : Communication Skills - Presentation Skills - Active learning - Critical thinking and Problem Solving - Software engineering concepts - Strong medical background .

Other skills : Machine Learning - Microsoft office.

Awards and Competitions

Dell Technologies' Envision the Future Competition (2023): Semifinalist graduation project team out of 283 global project teams.

Egypt IoT & AI Challenge (2023): Participated in a graduation project, demonstrating adeptness in both innovation and technology (certificate).