Abdelrahman Mohamed

Tanta, 31511| (020) 01141770355 | abdelrahmanalgendy97@gmail.com
LinkedIn

PROFESSIONAL SUMMARY

- ***CE with 2+ years of experience of coding in different languages like CPP, python, JavaScript and doing several projects with this languages in my study of computer engineering.***
- Full stack web developer and doing several Projects with react , MongoDB , SQL. Nodejs
- Knowing well of Data structure, algorithms and how to implement and purpose of it.
- Demonstrates strong critical thinking, decision making, problem solving, time management, multi-tasking, and communication skills.

CORE PROFICIENCIES

- *JavaScript*
- *Python*
- *CPP*
- *nodejs*
- *Data Structure*
- *Algorithms*
- *React*
- *Redux*
- *SQL & MongoDB*
- *Git & Github*
- *TensorFlow*
- *Machine learning*
- *Pandas*
- *Matplotlib*
- *Scikit-learn*
- *Bootstrap*
- *jQuery*
- *Postman*
- *Sass*
- *Html*
- *CSS*

Projects

Building restaurant-web-application with React.js 2021-Present

- Split the web app into component and apply single page application concept by using react router
- Use the React Strap and Bootstrap to add some template user interface to my app with aid of CSS and html
- Apply the redux flux architecture into my app by applying create store and reducers and dispatch the actions into that store to add more control over my app
- Use the react-redux-form to add more controlled and uncontrolled forms to my app
- Apply middleware such as Redux Thunk to return a function instead of an action and add more control over dispatching the actions into reducers and store it into store.
- Use Fetch API to communicate from your React application with a REST API server
- Add subtle animations using the react-transition-group and Add additional component animations using react-animation-components
- restaurant-app-with-react.git

minimum spanning tree (MST) algorithm and Dijkstra's using CPP 2019-present

- the implementation of a minimum spanning tree (MST) algorithm for a weighted undirected graph (Graph).
- A spanning tree for a Graph g is a tree that reaches all the nodes of the graph.
- The cost for such a spanning tree is the sum of all the edge costs (weights) in the spanning tree's edge set.
- the MST is the one with the least total cost (it may not be unique).

Dijkstra's algorithm

- Implement a Monte Carlo simulation that calculates the average shortest path in a graph.
- The graph generated using a pseudo-random number generator to produce edges and their costs.
- The shortest path algorithm will be Dijkstra's.
- **graph-algorithm-.git**

building a neural network that translates from English to German with tensorflow and encoder decoder model. (2021 – present)

- **Neural-translation-model**

Discrete Fourier Transform (DFT) Fast Fourier Transform (FFT) implementation in CPP

- **Digital-signal-processing.git**

Building Image classifier for the SVHN dataset with Tensorflow

- **image-classifier-with-tensorflow.git**

EDUCATION | CREDENTIALS

Bachelor of computer engineering Tanta university
Since 2015 -2021