

# Saeed Khaled

Student



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## EDUCATION



- Faculty :** Engineering, Cairo University.
- Department :** Systems And Biomedical Engineering.
- Grad :** Very Good.
- Status :** Senior Student.

## SKILLS



### </> Programming Languages

C, C++, Javascript, Python

### Back-End Development

Node.js, Express.js, Mongoose, Postman, Docker Basics, Socket.io, Git

### Database Systems

MySQL, MongoDB

### Front-End Development

HTML, CSS, Bootstrap, React

### OS

Windows, Linux

## TRAINING



### Node.js, Express, MongoDB & More: The Complete Bootcamp 2022.

Jun 2021 - Mar 2022 Online  
RESTful API design, Mongoose, Express, error handling, Sending emails

### React Tutorial and Projects Course.

Jun 2019 - Jul 2021 Online  
React principles, work flow, hooks, styled components, and a lot of projects

### WebRTC 2022 Practical Course.

January 2022 - June 2022 Online  
Video chatting principles using WebRTC, peerjs

### SIG Medical Solutions.

Jun 2018 - Jul 2018 Online  
Ultrasound working principle.

### Clinical Internship.

Jun 2019 - Jul 2019 Offline  
El Demerdash Hospital, Principles of clinical engineering

## PROJECTS



### Psychological Awareness

- Web And Mobile App Serve People That Have Mental Disease.
- Tools: **React, React Native, Nodejs, Express, MongoDB, Restful Api**

### Natours

- Restful Api Using Node Js.
- Tools: **Nodejs, Express, MongoDB**

### React Projects

- React Projects Using React, React Hooks, Redux
- Tools: **Styled-Components, React Hooks, Html, CSS**

### React Video Chating App

- Video Chat Application Using WebRTC And PeerJS
- Tools: **React, React Hooks NodeJS, PeerJS, Styled Components, Express**

### Self Driving Car

- This Is A Self Driving Car Using Python, OpenCV React Native Mobile App To Control The Car And Switch Between Modes.
- Tools: **React Native, OpenCV, Web Socket, Nodemcu**

### Real Time Monitoring

- This Is A Real Time App That Aim To Monitor Sensor Data In Real Time.
- Tools: **React Native, Python, Express, Nodemcu**

### Restaurant Web App

- Responsive Website Using Front End Technology.
- Tools: **HTML, CSS, Javascript**

### Digital Filter Design.

- A Web Application For Designing Digital Filters Using Z-Transform.
- Tools: **HTML, CSS, JS**

### Multi-Channel Bio-Signal Viewer.

- A Multi-Channel Bio-Signal Viewer GUI Application Using Python PyQt5, Export The Signals As PDF.
- Tools: **Python, PyQt5, Pyqtgraph, FPDF, Numpy**

### Image Mixer

- Mixing The Magnitude And Phase Of The Complex Domain Of Two Images.
- Tools: **FFT, Python, PyQt5**

### Music Equalizer

- This Is A Sound Equalizer GUI App, Any Audio File Can Be Played, Paused, And Equalised With It.
- Tools: **Python, PyQt5, Pyqtgraph, Numpy, FFT, Librosa**

### Music Identifier

- Desktop Application Aim To Identify The A Music Based On A Stored Database By Extracting Histogram Peak Feature.
- Tools: **Python, PyQt5, Numpy, FFT, Librosa**

### Medical Chatbot

- This Is A GUI Application That Serves Psychological Questionnaires To Clients And Gives Them The Overall Results.
- Tools: **Socket Programming, GUI**

### Localization

- Using Wifi Strength In Local Area To Detect Person Location.
- Tools: **Nodemcu, Pwa**