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 EXPERIENCE 🏅

🌐 **SIG Medical Solutions**
📅 Jun 2018 - Jul 2018   📍 Online
Ultrasound working principle, Types of Ultrasound probes, Modes of operation

⛑ **Clinical Internship**
📅 Jun 2019 - Jul 2019
El Demerdash Hospital, Principles of clinical engineering and the work flow in the hospital. General knowledge of medical equipment.

🆔 **Node.js, Express, MongoDB & More: The Complete Bootcamp 2022**
📅 Jun 2021 - Mar 2022   📍 Online
deep-dive course with over 40 hours of content!the course is crammed with tons of different technologies like RESTful API design, Mongoose, Express, MVC architecture, Atlas Compass, Git,Heroku ,error handling workflows,Sending emails with Mailtrap

❅ **React Tutorial and Projects Course**
📅 Jun 2019 - Jul 2021   📍 Online
react principles , work flow , hooks ,styled components ,and alot projects

PROJECTS ‹›

Psychological Awareness ♊
» Web And Mobile App Serve People That Have Mental Disease
» Tools: **React, React Native, Nodejs ,Express, MongoDB, Restuful Api**

Natours ♊
» Restful Api Using Node Js
» Tools: **Nodejs, Express ,MongoDB**

React Projects ♊
» Simple Projects Using React
» Tools: **Styled-Components, React Hooks, Html, CSS**

Self Driving Car ♊
» This Is Iot That Aim 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 Iot App That Aim To Moitor Sensor Data I 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: **C++, Qt.**

Multi-Channel Bio-Signal Viewer. ♊
» A Multi-Channel Bio-Signal Viewer GUI Application Using Python SPyQt5
» The App Has Ability To Export The Signals As PDF.
» Tools: **Python, PyQt5, Pyqtgraph, FPDF, Numpy**

Image Mixer ♊
» This Is A PyQt5 GUI Application And An Application For The Fast Fourier Transform.
» Mixing The Magnitude And Phase Of The Complex Domain Of Two Images.
» Tools: **FFT, Python, PyQt5**

Music Equalizer ♊
» Using Python's PyQt5, This Is A Sound Equalizer GUI App. Any Wav Audio File Can Be Played, Paused, And Equalised With It.
» It Also Has The Ability To Select A Specefic Band Of Frequency To Run
» 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**

Hospital Information System . ♊
» System For Hospital Intensive Care Unit To Help Monitoring Patient Status .
» Tools: **C++**

Medical Chatbot ♊
» This Is A GUI Application That Serves Psychological Questionnaires To Clients And Gives Them The Overall Results
» Tools: **Socket Programming, GUI**

Localization ♊
» Usig Wifi Strength In Local Area To Detect Person Location
» Tools: **Nodemcu, Pwa**