

Mohamed Mostafa Soliman Mostafa

Phone : 01142521577

Address : Shoubra-Elkheima qalyubia

Email : mohamed.mostafa.std5@cis.asu.edu.eg

Github : <https://github.com/MohamedMostafaSoliman>

Kaggle : <https://www.kaggle.com/mohamedmustafa>

Education

Faculty of Computers and Information Sciences AinShams University [2015 - 2019]

Fourth year - Scientific Computing Department – Good for past three years

Development Skills

- Programming Languages:
 - C/C++
 - C#
 - Python [intermediate]
 - Octave [Novice]
 - Prolog [Novice]
- Databases
 - SQL
 - Basics in Oracle 11g
- General Concepts
 - Object Oriented Programming
 - Data Structures
 - Algorithms (analysis & Design)
 - Data Base Design
 - File Organization
 - Assembly
- Development Tools
 - Microsoft Visual Studio
 - Pycharm
 - Visual Prolog
 - Jupyter Notebook
 - Eclipse
- Web Skills
 - Html
 - CSS
- Data Science field
 - Know some concepts and algorithms in machine learning and few basics in neural network
 - Interesting in predicting models in kaggle
 - Fair knowledge in Statistics and linear algebra
 - Familiar with some python libraries related to data science like (numpy, pandas, matplotlib, seaborn, sklearn)

Projects

- **E-Government System(Offline)**
C# windows application that can capable of adjusting any changes in the government structure, managing resources wisely, providing distinguished services to citizens and continuously interacting with them.

- **Image Encryption and Compression**
C# windows application that can encrypt and decrypt images using Linear Feedback Shift Register algorithm then compress using Huffman algorithm
- **Music CD's and instruments rental System**
C++ Console application that rent CD's and instruments such that client apply for CD or instrument and once they are available he/she can rent it
- **Matrix Calculator**
Assembly program that calculates some matrix operations like (addition , subtraction ,multiplication, transpose, determinant)
- **Download Manager**
Python and PyQT application that can download videos and playlists from youtube using pafy library
- **3D Packman Game**
C++ with opengl game
- **Correct Keyboard mistyping**
Chrome Extension using html/css/js that correct the keyboard mistyping from English to Arabic and vice versa like when you write [صتموختت] this tool convert this to [welcome]
- **Calculate Critical Path**
C# widows application that calculate the critical path to your project and time plan , you can insert task or delete task or update task time and program will work with changes and will recalculate the critical path
- **Scientific Calculator**
C++ Console Application that make some mathematics functions - without builtin functions- like (Trigonometric functions and its inverse , exponential function , convert number from any base to another , etc)
- **Photo Factory**
C# windows application that make some functions related to images like (take screenshots, resize images, crop image, collect images into pdf file)
- **FOS**
C Console application that make simple Operating system that allow kernel and user to make dynamic allocation and free this space using next fit and best fit strategy , load and run multiple user program , page-fault-handler using LRU algorithm , CPU scheduling using multi-level-feedback-queue
[me with my team take the second place in faculty with this project in OS course]
- **Online Hotel Booking**
C# and ODP.net crystal report Windows application allow user to View hotels according to required location and view their details , make reservation ,cancel existing reservation
- **Product Management System**
C# and ADO.net crystal report (Arabic language) windows application that allow user to sell products add suppliers , add users ,etc

Achievements

Cloud Application Developer 2018 Mastery Award