

Aghapy Elgohary

Undergraduate Software Engineer

Mobile : +02-0111-812-9621

Email : aghapygad336@gmail.com

LinkedIn : www.linkedin.com/aghapy-el-gohary

Github : <https://github.com/aghapygad336>

EDUCATION

• Faculty Of Engineering Alexandria University

Computer and Communication Department.

Alexandria, Egypt

Sep. 2016 – June 2021

PROJECTS

- **8 Puzzle** : a java application to solve the 8-Puzzle game using different search techniques like : Breadth First Search, Depth First Search and A*.
- **Image segmentation** : Image segmentation is the classification of an image into different groups. There are different methods and one of the most popular methods is k-means clustering algorithm. K -means clustering , Normalized Cut algorithm is an unsupervised algorithm and it is used to segment the interest area from the background. Accuracy Measuring by F score algorithm
- **Face-Recognition** : face recognition with complete implementation in python of LDA PCA algorithm for the classification of the input labeled images and the goal performing in an acceptable way giving a best recognition accuracy of 95/100 used Non Face data accuracy was very bad because data wasn't Consistent.
- **Paint** : Applied OOP concepts using java , offer a big number of features that includes but is not limited to: Drawing, Coloring, and Resizing.
- **Spelling System** : In this assignment i was required to implement a binary search tree Initially will be given a dictionary of words to build my binary search tree ,the comparison between strings . .
- **The MENA Terrorism** : The Global Terrorism Database in ME-NA terrorist attacks that occurred worldwide since 1970 Classification due to number of the top groups used different classifiers and measured accuracy, precision, recall and F-measure as a of models as Decision trees , Adaboost , k-nearest-neighbour .
- **Beach Resort** : Implemented using ReactJs For Rooms Services Menu.
- **Multithreading Application** : This project is about implementing 2 multi-threaded applications using the POSIX threads library in C to create and join threads. The first application is Matrix Multiplication And then the rest of the execution consists of the merge algorithm .

SKILLS

- **Languages** : Python, Java, C, JavaScript, MATLAB, SQL
- **Web Development** : ReactJS, NodeJS,
- **Deep Learning** : TensorFlow, Keras
- **Other Tools/Frameworks** : OpenCV, GitHub, Colab, jupyter, Visual Studio, Linux

RELATED COURSES

Object Oriented Programming
Database Management Systems

Data-structures
Pattern Recognition

Artificial Intelligence
Operating Systems