

Aghapy Mikhaïl

Undergraduate Software Engineer

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Education

- **Faculty Of Engineering Alexandria University** Alexandria, Egypt
Computer and Communication Department Fourth year Class 2021

Experiences

- **Machine Learning Former Internship at UmedMi (August 2020 – October 2020)** : Telemedicine platform that empowers patients and fill the credibility gap providing end-to-end tele health solutions, Worked on Machine learning tasks Data Engineering
- **DevOps Former Internship at Egirna Technologies (April 2021-present)** : Egirna Technologies Limited is an information security solutions and services provider based in Egypt with global reach. Worked Proxies : Squid , Nginx , Deployment Tools: Amazon web services and Up coming Tasks

ACTIVITIES

Head of Public relations At ACM Alexandria Student Chapter
Public relation At ACM Alexandria Student Chapter
Admin System Assistant ECPC Egyptian Collegiate Programming Contest
Admin System Assistant ACPC African and Arab Collegiate Programming Contest
Machine Learning Instructor at HackerRank Campus Club, AUFS
Volunteer in IrisX2020 UI/UX

Projects

- **Freelance Python Assignments** : Solving Algorithms Assignment written in python about Real life problems using Next Greater Element , Recursion, Dynamic programming.
- **TFTP-Client** : Applied OOP concept for implementation [Trivial File Transfer Protocol] is a light weight file transfer protocol, Parsing, Handling Each operation As request file , upload file ..
- **Image segmentation** : Image segmentation is a classification problem of an image into different groups. used methods are K -means clustering , Normalized Cut algorithms are unsupervised algorithm . Accuracy Measuring by F score algorithm From results more Ks the less Accuracy
- **MURA (MUsculoskeletal RAdiographs VGG19 Model)** :
MURA is a large data set of bone X-rays. Algorithms are tasked with determining whether an X-ray study is normal or abnormal Seven Body parts (hand, humerus, Finger, Elbow, Arms, shoulder, Wrist), Comparing Results to the inception.V1 are near, As the VGG19 is very simple in architecture than the inception.V1.
- **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 . .
- **MENA** : using Global Terrorism Database in Middle East and North Africa Countries predicting 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 models like : Decision trees , Adaboost , k-nearest-neighbour .
- **Beach Resort** : simple Room Services Menu implemented using ReactJs.

- **Messages System (synchronization and deadlock Problem):** Handling races, conditions, to solve the messages come randomly to the system, this can be realized if the threads sleep for random times, and their activation (sleep time ends) will be activated at random time intervals used POSIX threads and mutex .

SKILLS

Programming Languages : Python, Java, JavaScript, Bash Script, SQLBackend

Development:NodeJS**Front End Development:**ReactJS **Deep Learning :** TensorFlow, Keras **Tools:** Git,Amazon Web Services Cloud,Visual Studio,Linux

RELATED COURSES

Object Oriented Programming
Database Management Systems

Data-structures Algorithms
Pattern Recognition

Artificial Intelligence
Operating Systems