

SAYED GOMAA

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PROFILE

Software Engineer with algorithms skills and building up on the Data Science Machine Learning track, Looking for Machine Learning hands-on opportunities to utilize and ramp up my experience.

EDUCATION

2017 - 2022 **Bachelor's Degree in Computer Systems Engineering**
Faculty of engineering, Helwan University

PROJECTS

The Egyptian banknote classification

-The blind person can identify all denominations of Egyptian currencies to avoid fraud while purchasing items (5,10,20,50,100,200 LE)

.-The model is based on CNN, using the mobile net algorithm.

Obstacle Avoidance Robot

- The main objective is to teach the robot to avoid obstacles in "N" Episodes and learn the optimal action.

-Robot was built by using the Reinforcement Algorithm (Q learning) and AVR (Atmega328p).

-using Embedded C with microchip Studio.

Implementation of VGG(11,13,16,19) paper

-I used intel_image_classification dataset and get val_accuracy: 0.8373 in VGG19

EXPERIENCE

-ITIDA-NTI SUMMER TRAINING (Huawei HCIA-AI):

It included Python programming, mathematics knowledge in AI, programming methods using TensorFlow, An overview of Deep Learning, and Huawei cloud EI.

-Emarat Al-Ard Research Center intern

As a part of the team, I gathered the Data from 4 websites using Web scraping and will work on these data to measure the extent of countries' sustainable development to guide its interdisciplinary research, seminars, awareness programs, conferences.

COURSES

- 5/2021 - 9/2021 **DEEP LEARNING SPECIALIZATION**
authorized by DeepLearning.AI and offered through Coursera
- I completed 4 courses:
1-Neural Networks and Deep Learning
2-Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
3-Structuring Machine Learning Projects
4-Convolutional Neural Networks
- 4/ 2021-5/2021 **COMPLETE THE DATA ANALYSIS SCHOLARSHIP**
2 months challenge track from Egypt FWD
- 4/2021 -7/2021 **MACHINE LEARNING A TO Z**
Online 44 Hours Course On UDEMY.
- 12/2020-7/2021 **ACM (ASSOCIATION FOR COMPUTING MACHINERY) (STUDENT ACTIVITY)**
- Training on problem solving in teams to be prepared to participate in ECPC
- 9/2020 -12/2020 **ANDROID DEVELOPER NANODEGREE**
Online 3 months certified nanodegree on Udacity with practicing and developing application

VOLUNTEER WORK

HEAD OF TECHNICAL COMMITTEE

Nader | 2019 - 2020

we put a plan to learn and teach soft and technical skills and we achieved it and also we made project (smart Home, Robot) and organized events and seminars.

TOOLS AND TECHNOLOGIES

- C++, Java
- Python (Pandas, Numpy, matplotlib)
- OOP
- Web Scraping (Beautiful Soup, selenium)
- Problem-solving
- Machine Learning Developing (Sklearn , TensorFlow, Pytorch)
- Database Design(SQL)

KEY SKILLS

ML Engineer, Mobile Application Developer, Problem Solver , Self-Motivated, Innovative.

LANGUAGES

- Arabic: native
- English: very good

ACHIEVEMENTS

COMPLETE ENTREPRENEURIAL IDEA GENERATION CAMP



we got first place in the competition
the idea is to build a platform to guide the undergraduate students to be qualified for the future career