MOHAMED REDA

DATA SCIENTIST | ML ENGINEER| RESEARCHER

CONTACT DETAILS

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Cairo, Egypt

CAREER OBJECTIVES

Self-driven in work and a team player with good communication skills, seeking to join a good team, and be a valuable asset to the company. Interested in biomedical, data science fields and the Utilization of artificial intelligence techniques in health care applications.

SKILLS

- Machine learning, Deep Learning, Transfer Learning, Object Detection, and Amazon Personalized Tools.
- Time Series and Forecasting.
- Computer Vision, Image Processing, NLP, Recommender System, and Reinforcement System.
- Embedded System Skills.
- Languages: C, Python, and MATLAB.
- Basics Problem Solving.
- Tensor Flow, Keras, Scikit-learn, Yolo, RNN, GAN, and Big data with Spark.
- Data visualization and Plotly and Dashboard.

CERTIFICATIONS

Udacity Certified

AWS Machine Learning Foundations Nanodegree Program (2021)

Data Camp Certified

Data scientist, Data analyst, and Python programming Career Tracks. (2021)

IBM Certified

ML, Data Science, NLP, and AI courses. (2020)

Udemy Certified

ML, Data Science, NLP, and DL courses. (2019)

EXPERIENCE

Shgardi Company

Data Science and Machine Learning Engineer.
FEB 2022

Faculty of Electronic Engineering, Menouf, Menoufia University

AI & Data Science & Machine Learning Research Assistance Engineer.
OCT 2019 - March 2022

EDUCATION

Information Technology Institute (ITI)

Diploma in Artificial Intelligence powered by EPITA School of Engineering and Computer Science.
APR 2021 - Dec 2021

Faculty of Electronic Engineering, Menouf, Menoufia University.

Master degree in Utilization of Artificial Learning Techniques in Healthcare Applications. (GPA: 3.46)
Oct 2019 - 2022

PROJECTS

DL for Time Series Forecasting

February 2022

- Deep learning models for Forecasting (LSTM).
- Data Preprocessing with Python.
- Web API for Production Implementation.

DL for Recommendation System

February 2022

- Amazon Personalize Tools.
- Deep learning models for Recommendation.
- Data Preprocessing with Python.
- Web API for Production Implementation.

Dl for Brain Tumor Diagnosis

November 2021

- Deep learning models for classification.
- Different Image Processing Techniques: augmentation, Segmentation, and Super Resolution.
- Hardware Implementation with Web API.

Covid-19 Diagnosis

July 2020

- Deep learning and Machine Learning models for classification.
- Different Image Processing Techniques: augmentation, and Super Resolution.
- Hardware Implementation with Web API.

Publications

- Mohamed R. Shoaib et al, "Hybrid Classification Structures for Automatic COVID-19 Detection ", Ambient Intelligence and Humanized Computing in 21- Dec 2021 pp, 1-16. DOI: 10.1007/s12652-021-03686-9 (Q1, IF=7.104).
- Mohamed R. Shoaib et al, "Deep Convolutional Neural Networks for COVID-19 Automatic Diagnosis", Microscopy Research and Technique in 31- Jan 2021. Nov 84, No. 11 (2021) pp.2504-2516. (Q1, IF=2.769).
- Mohamed R. Shoaib et al, "Efficient Deep Learning Models for Brain Tumor Detection with Segmentation and Data Augmentation Techniques.", accepted for publication in Concurrency and Computation: Practice and Experience in 08-Jan-2022 (Q1, IF= 1.536).
- Mohamed R. Shoaib et al, "Simultaneous Deep Learning Models for Efficient Automatic Modulation Classification", accepted for publication in Transactions on Emerging Telecommunications Technologies in 29- Dec 2021 (Q2, IF= 2.68).
- Mohamed R. Shoaib et al, "Efficient Brain Tumor Detection Based on Deep Learning Models", ICaTAS conference J. Phys.: Conf. Ser. 2128 012012, IOP Publishing in 24- Dec 2021 vol. 2128, No. 1, pp. 012012 (Q4, IF=0.55).