Amir Ragab

Data Scientist

As a freelance Data Scientist and a machine learning instructor for more than 30 computer science students and data science aspirants,  I strive to rene my knowledge in computer vision and natural language processing.

Mansoura, Egypt - amirragab061@gmail.com

Experience

Data Scientist   
• Upwork

August 2020 - Present

Machine Learning and Deep Learning consulting

Data Analysis and Database Construction

Data Cleaning and Processing

Machine learning Instructor   
• CatReloaded

Nov 2019 - Present

CAT Reloaded is a programming team made of circles, each specializing in a different

eld of programming, that aims to teach  and help in practicing programming.

As the Instructor, my responsibilities include: helping the members by constructing roadmaps, conducting

sessions, writing articles, assigning tasks and projects, and monitoring

their progress.

Education

2018 - 2023

Mansoura University Faculty of

Engineering

Communication and Computer Engineering

Mansoura University is ranked 1st in Egypt according to

The World University Rankings and is ranked 401-500 in the

world in 2020.

Projects

Dog Breed Classier

Used CNNs trained from scratch to classify the different breeds of dogs, and afterwards using a pre

Face Generator

Used a GAN model consisting of a

single Generator Network and a

This project is working with the

I rst visualize and analyze the trained Resnet50 architecture using transfer learning to predict the breed. The model could predict the breed with 88% accuracy. single Discriminator Network to generate human faces. dataset. I then clean, preprocess, and make a transformation pipeline to automate this process. I then construct an ensemble model, a Random Forest Regressor, and use the GridSearchCV method to validate and nd the best hyperparameters to use, and compute the RMSE and accuracy of the model. The model could predict the price of a house with 97% accuracy.

TV Script Generator

Used RNNs to generate a TV script based on the patterns it recognizes in the Seineld TV script. Sentiment Analysis

Used AWS to deploy a sentiment analysis model consisting of RNNs on a webpage that predicts whether a movie review is positive or negative. Bay Wheels 2019 Usage

Patterns

Cleaned and processed data. Performed necessary transformations like adding new features. Conducted uni-variate, bi-variate, and multi-variate exploration. Made a slide deck containing the explanatory analysis.