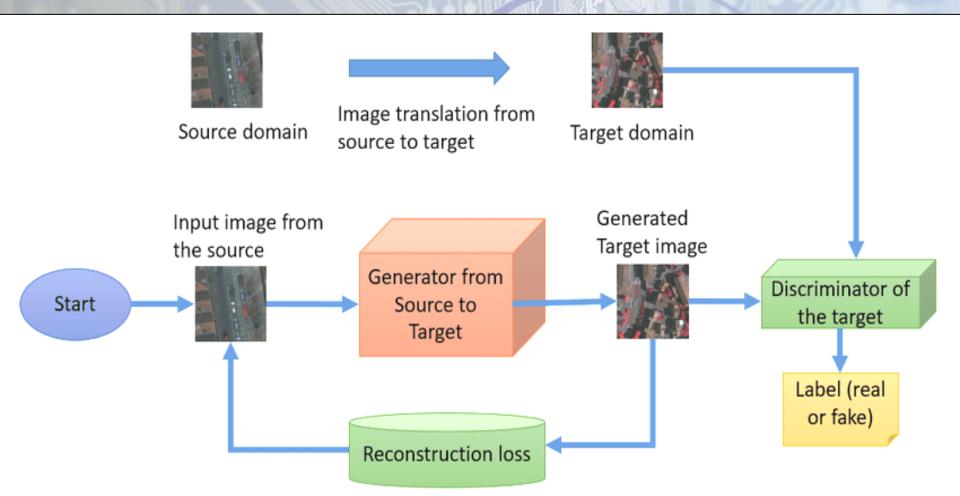


Objective of the project

In this deep learning project, we demonstrate image to image translation using conditional GAN (Generative Adversarial Networks) model

By using Pix2Pix GAN algorithm (Framework), the model convert the edges of the handbags to the colorful photograph of handbags

Structure of GAN Model



Model Implementation

Download the dataset (137k Amazon Handbags images)



Preprocessing of Images (Random jittering & Random processing)



Input Pipeline



Build the Generator & calculate Generator Loss



Training (iterates over the number of epochs)



Generate Images



Define the optimizers and Checkpoint-savers



Build the Discriminator & Discriminator Loss



Restore the checkpoints and generate images using test dataset



Flask Application

Results of the model

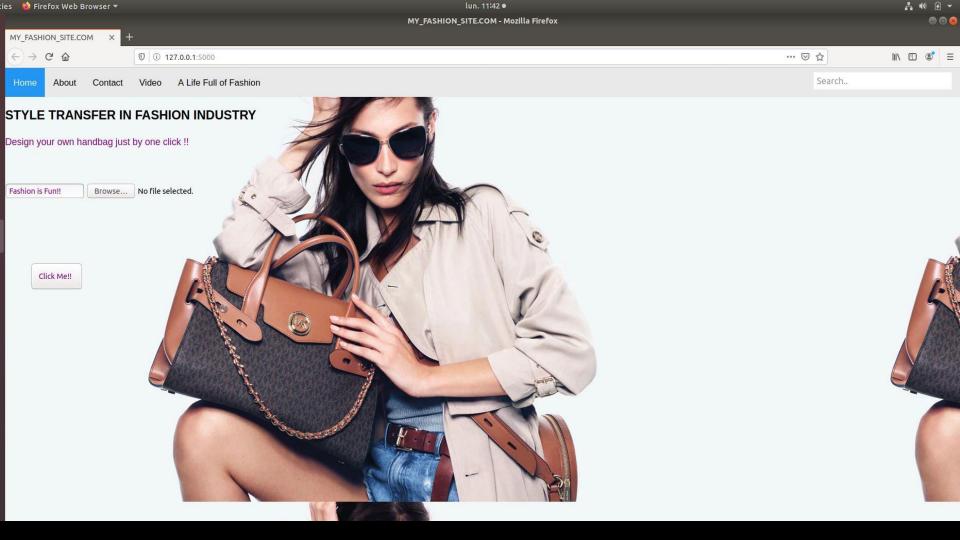
1. Flask generated web application

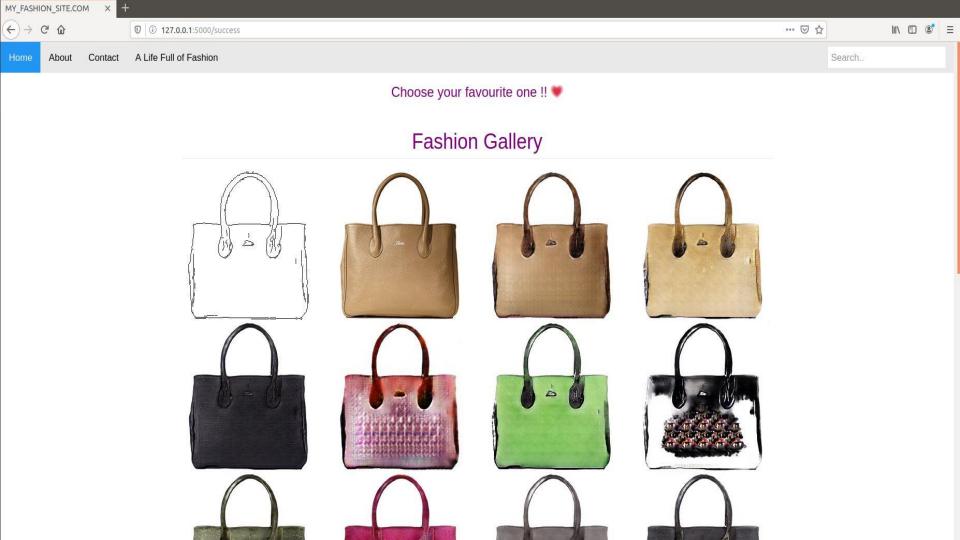
2. Image Gallery

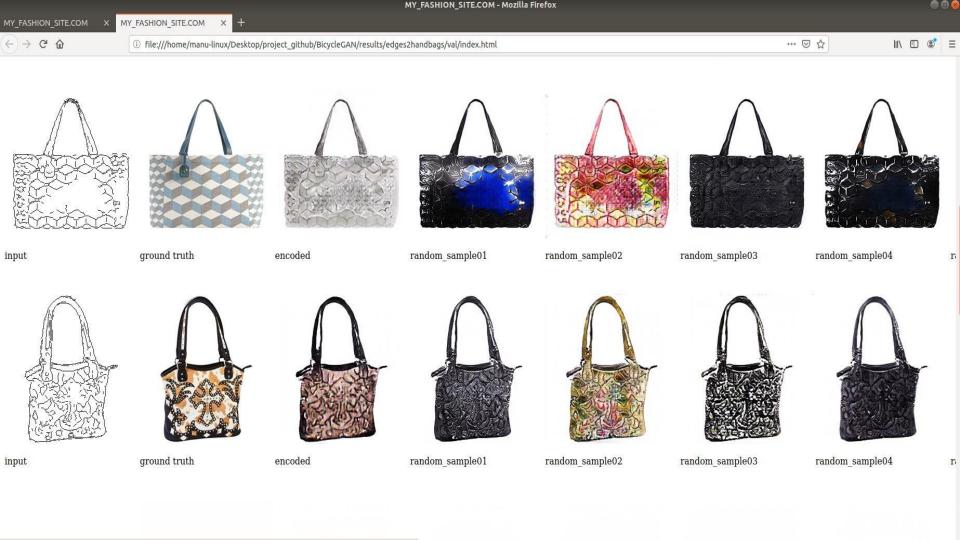
MyFashionGallery

3. Fashion Video









Future perspective of the model

- The model can be used by any fashion industry by recommending products of a similar design and style.
- The model can make a huge impact on customers to map product design and patterns, without the need to have extensive designer input.

