Neural Style Transfer
NeuralArt - Stylize your Image

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Overview

Our project aims to stylize image by implenting A Neural Algorithm of Artistic Style paper by Leon A.Gatys, Alexander S.Ecker and Mathias Bethge.

Description

The Key finding of this paper is that the representation of content and style in the Convolutional Neural Network are seperable.

What is Neural Style Transfer?

- Neural Style Transfer is a technique used to generate image in the style of another image.
- The Neural-Style algorithm takes a content image as input, a style image, and returns the content image as if it were painted using the artistic style of image.

Modules

- Keras (TensorFlow backend)
- NumPy
- SciPy
- Flutter

Status

- Read the research paper.
- Working on the code implementations.

Learnings and Difficulties

Learnings:

- Learned to work with github conveniently.
- Learned to make presentation using Beamer.
- Studied about CNN.

Difficulties:

- The program is taking lot of time to output stylized image.(Working on it)