

Neural Style Transfer

NeuralArt - Stylize your Image

Avishi Gupta, Vaseem Naazleen, Shivangi Tomar

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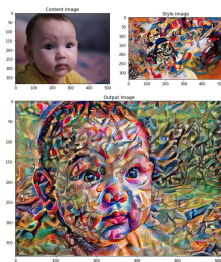
Overview

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

<https://arxiv.org/pdf/1508.06576.pdf>

What is Neural Style Transfer?

- Neural Style Transfer is a technique used to generate image in the style of another image.
- It uses the stylistic components of one image to draw the content of another



Example



Key Finding

The representation of content and style in the Convolutional Neural Network are separable.

Modules

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

Status

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

Learnings and Difficulties

- 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)

Thank You :)