Neural Style Transfer
NeuralArt - Stylize your Image

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Overview
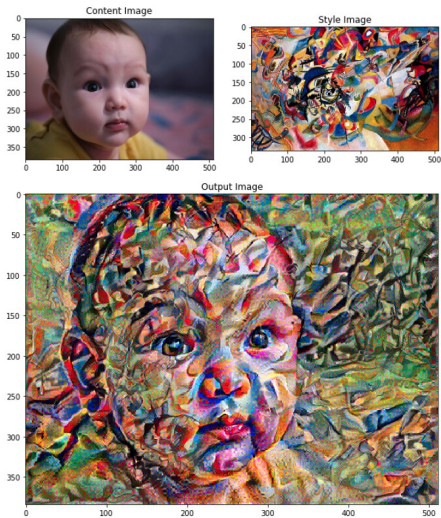
Our project aims to stylize image by implenting A Neural Algorithm of Artistic Style paper by Leon A.Gatys, Alexander S.Ecker and Mathias Bethge.
https://arxiv.org/pdf/1508.06576.pdf

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 Neral Network are seperable.

Technical Stack

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

Status

- Read the research paper.
- Completed the code implementation of model.
- Working of website.

Learnings and Difficulties

- Learned to work with Version Control System conveniently.
- Learned to make presentation using Beamer.
- Studied about CNN.
- Learned HTML and CSS.

Difficulties

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

Thank You :)