

# Neural Style Transfer

## NeuralArt - Stylize your Image

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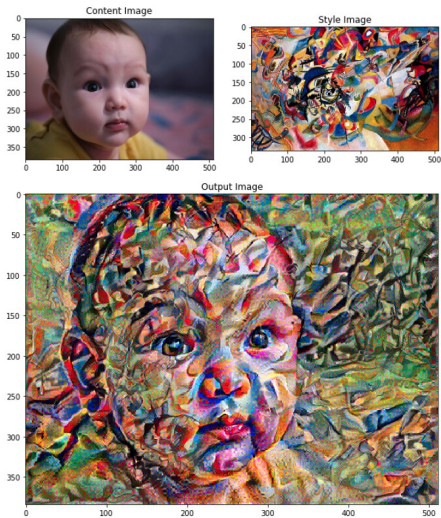
# Overview

Our project aims to recast the content of one image in the style of another image by implementing a neural algorithm by Leon A. Gatys, Alexander S. Ecker and Matthias Bethge.

# What is Neural Style Transfer?

- Neural Style Transfer is an optimization technique.
- Input:
  - Content image
  - Style reference image
- Output:
  - Stylized image: looks like the content image, but painted in the style of the style reference image

# Example



# Key Finding

The representations of content and style in the Convolutional Neural Network are seperable.

# Technical Stack

- Keras
- tensorflow
- NumPy
- SciPy
- matplotlib
- Flask

# Status

- Read the research paper
- Completed the implementation of model
- Working on website

# Learnings

- Version Control System
- Making presentation using Beamer
- Convolutional Neural Networks
- HTML, CSS and JavaScript



# Difficulties

- The program took lot of time to output stylized image.

# Thank You!