# 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.

# 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.

# Key Finding

The representation of content ad style in the Convolutional Neral Network are seperable.

# 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)

Thank You :)