

Adventures in Image Processing with



Tensorflow All Around - 31.8.19
GDG Kolkata
Techno India College Of Technology
Newtown, Kolkata

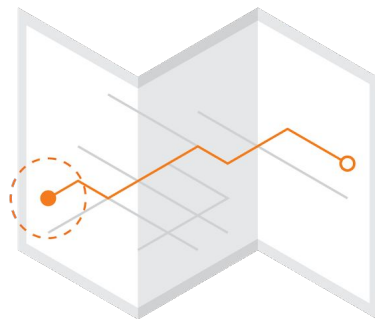
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Brothers <3



GDG Kolkata

Talk Overview

- 1) Exploring `tf.image`
- 2) Data Augmentation
 - a) Why?
 - b) TensorFlow `ImageDataGenerator()`
- 3) Understanding Image Features
 - a) Hand crafted features - HaarCascade
 - b) Why Convolution?
- 4) What is Convolution looking at?



Accompanying Repository Link:

bit.ly/TFAdventures



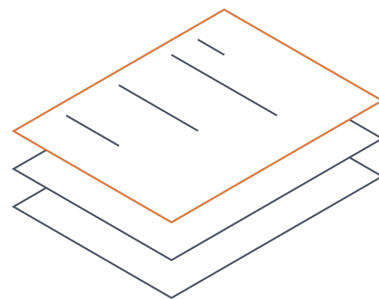
Exploring tf.image

- Flipping
- Rotating
- Brightening
- Adding Noise
- Translation
- Some other functions



Data Augmentation

- ImageDataGenerator
- Using Data Augmentation
- Best practices



Understanding Image Features

- What are features
- Haar Cascades
- Yolo v3
- Transitioning into Deep Learning
- Kernels and Convolutions

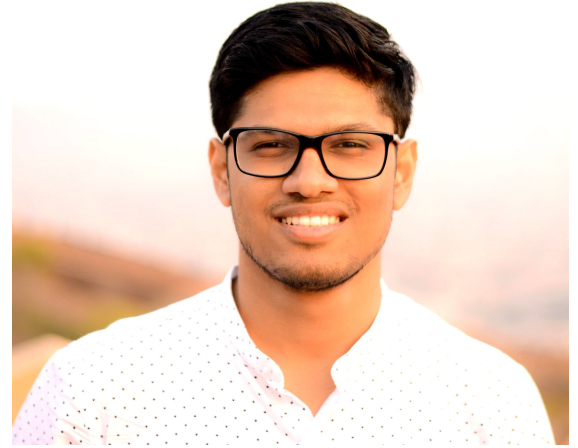


What is Convolution looking at?





THANK YOU



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