

Day 1

- C.V is the field of C.S that replicates parts of complex human eye.
- To train a computer how to understand visual data, images are feed into large numbers, along with algorithms in order to train the computer with the various patterns.
- Computer reads color in series of 3 values - R, G, B on the scale 0-255. Each pixel has 3 values.
- To train a computer with Deep learning we requires a ton of data
Libraries:- Keras, Tensorflow, Theano,
- Qs. Will use opencv for Image Processing.
Advantages of using Keras:
 - User friendly
 - for high level development.
 - fast for small
 - Works on Python.
 - Supports Multiple Back-end neural network computation engines
 - high level API's.

~~Tensor~~

Tensor flow:-

- Flexible
- High performance
- It is coded in C++ and Python
- High level as well as low level APIs
- Auto differentiation helps in gradient based algorithm.