**ReadMe**

**Eye of the Convolutional Neural Network**

Goal – Vision through the eye of a Neural Network.

Technology- Python 2.7, Computer Vision, Convolutional Neural Network, Keras, TensorFlow.

Implementation- - We have implemented the Convolutional Neural Network by using Keras(wrapper) and TensorFlow in the backend.

We have used the random images to feed into the convolutional neural network and shows the output layer by layer. The layer by layer output shows how Neural Network layer sees an image.

The convolutional neural network tries to find the pattern in an image and use these pattern matching technique to detect and predict an object.

The most exciting thing in the project is that no one knows how a neural network find the pattern in each layer. It’s a Mystery!!

We have converted the image to grayscale and passed these gray scale images through the neural network filter to check how an image looks like inside a neural network.

And the results are incredible!!!