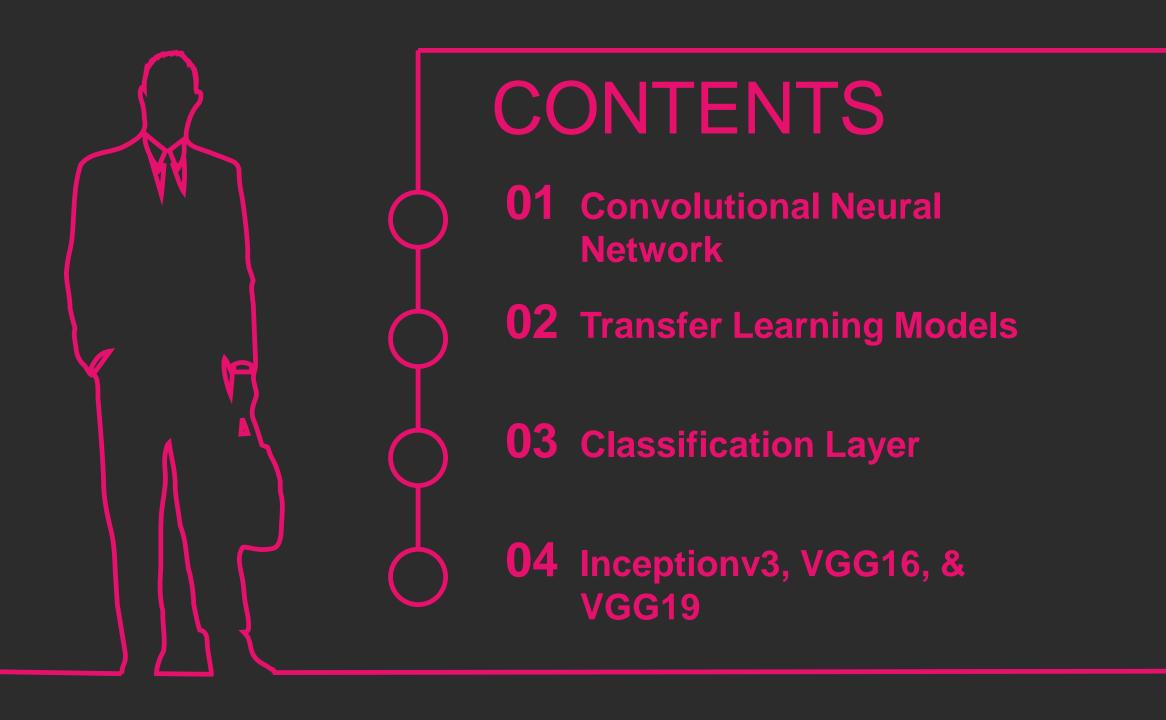
PROJECT OUTLINE



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CNN MODEL

Convolutional Layer

A fundamental layer which performs intensive processing.

Pooling Layer

Used to reduce the computational requirement.

Flattening Layer

Connector between feature and classifier layer.

CNN Model

Created by using 3 Convolutional Layers.

CLASSIFIER LAYER

Classifier Layer. model_classifier = layers.Flatten()(model_last_layer) model_classifier = layers.Dense(1024, activation='relu')(model_classifier) model_classifier = layers.Dropout(0.2)(model_classifier) model_classifier = layers.Dense(classes, activation='softmax')(model_classifier)

Flatten Layer

Converts Multi-dimensional to one-dimensional.

Dense Layer

To reduce all features to 1024 using relu.

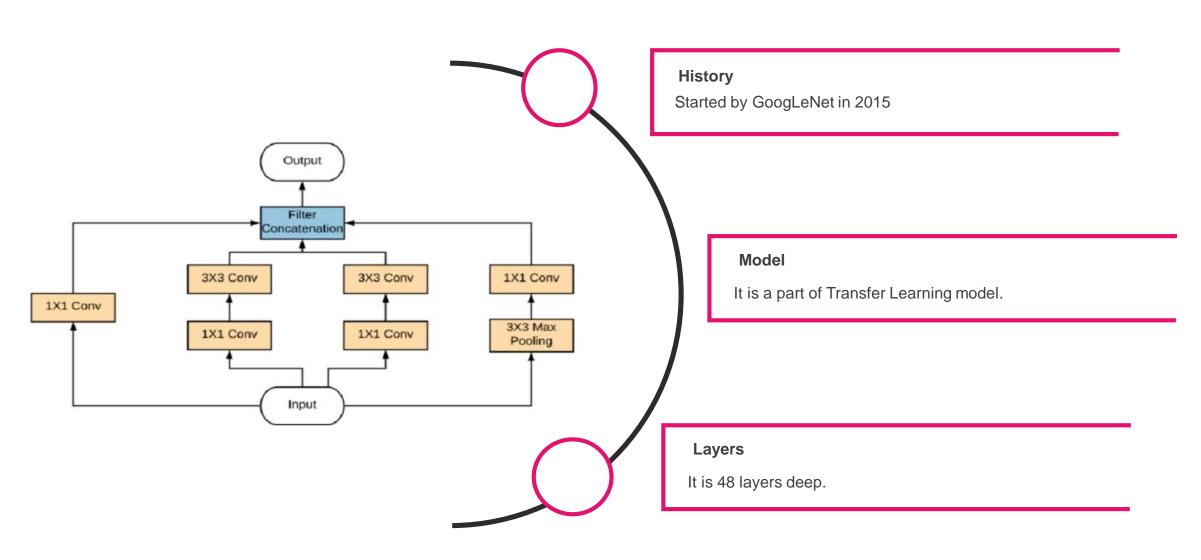
Dropout Layer

Barrier between dense layers..

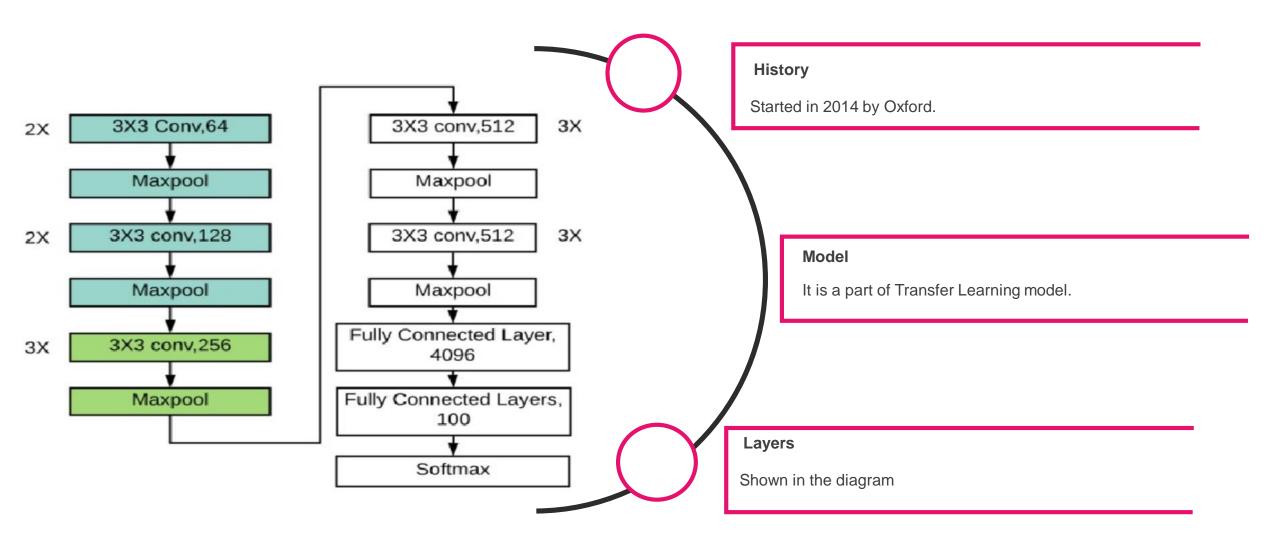
Dense Layer

To predict all the 43 categories using Softmax.

INCEPTIONV3



VGG16



VGG19

