CNN’s Architecture

Input layer:

* Input\_shape= [batch\_size, image\_height, image\_width, color\_channels]
* Convolution layer = It learns the most important features of the images.
* Reduces the dimensionality of the learned image features.

Why to divide the training dataset into batches?

* Let’s say if we have 10,000 images then all these images might not fit in our RAM at the same time.
* Trying to figure out patterns in all the 10,000 images in one go could result in the model to not being able to learn the patterns very well.

What are callbacks?

Callbacks are extra functionality that you can add to your models to be preformed during or after the training.