Convolutional Neural Networks **VS** Densely Connected Networks

- In CNN the sequential model is used with 1 Convolution 2D layer and 1 MaxPooling2D layer with the activation function “ReLU” to maintain the non-linearity of the model . On the other hand The Densely connected network model contain two fully connected dense layer , the activation function for the last layer is softmax (recommended) for multi-class classification
- Both model uses “SGD” optimizer which is used to optimize the function with smoothness and “categorical_crossentropy” loss function.
- Before feeding it into the model, both models reshape and normalize the input image.
- As we can see, CNN outperforms dense neural networks in terms of accuracy since CNN has some advantages in recognizing essential features.