

## Add CNN Layers

Duration: 0.5 Hrs

Skill Tags:

Creating the model and adding the input, hidden, and output layers to it

### Creating the Model

```
# create model
model = Sequential()
# adding model layer
model.add(Conv2D(64, (3, 3), input_shape=(28, 28, 1), activation='relu'))
model.add(Conv2D(32, (3, 3), activation='relu'))
#model.add(Conv2D(32, (3, 3), activation='relu'))
#flatten the dimension of the image
model.add(Flatten())
#output layer with 10 neurons
model.add(Dense(number_of_classes, activation='softmax'))
```

The Sequential model is a linear stack of layers. You can create a Sequential model by passing a list of layer instances to the constructor:

To know more about layers watch the below video

<https://youtu.be/FmpDlaiMleA>