Adding Dense Layers

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A dense layer is a deeply connected neural network layer. It is the most common and frequently used layer.

```
# Adding a fully connected layer

classifier.add(Dense(units=128, activation='relu'))

classifier.add(Dense(units=5, activation='softmax')) # saftmax for more than 2
```

The number of neurons in the Dense layer is the same as the number of classes in the training set. The neurons in the last Dense layer, use softmax activation to convert their outputs into respective probabilities.

Understanding the model is a very important phase to properly using it

Model: "sequential"					
Petroses State House Control					
Layer (type)	Dutput	Shape	Param #		
conv2d (Canv2D)	(None,	62, 62, 32)	896		
max_pooling2d (MaxPooling2D)	(None,	31, 31, 32)	е		
conv2d_1 (Conv2D)	(None,	29, 29, 32)	9248		
max_pooling2d_1 (MaxPooling2	(None,	14, 14, 32)	в		
flatten (Flatten)	(None,	6272)	0		
dense (Dense)	(None,	128)	882944		
dense_1 (Dense)	(None,	5)	645		
 Total params: 813,733	1000000				
Trainable params: 813,733					
Non-trainable params: 0					

for training and prediction purposes. Keras provides a simple method, a summary to get the full information about the model and its layers.