

# A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM

## ADD CNN LAYERS:

```
model.add(Conv2D(64,(3,3),input_shape=(28,28,1),activation="relu"))
```

```
model.add(Conv2D(32,(3,3),activation="relu"))
```

```
model.add(MaxPooling2D((2,2)))
```

```
model.add(Flatten())
```

```
model.add(Dense(number_of_classes,activation="softmax"))
```

```
model.summary()
```

```
Model: "sequential"
```

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Layer (type)	Output Shape	Param #
=====		
conv2d (Conv2D)	(None, 26, 26, 64)	640
conv2d_1 (Conv2D)	(None, 24, 24, 32)	18464
max_pooling2d (MaxPooling2D)	(None, 12, 12, 32)	0
)		
flatten (Flatten)	(None, 4608)	0
dense (Dense)	(None, 20)	92180
=====		
Total params: 111,284		
Trainable params: 111,284		
Non-trainable params: 0		

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