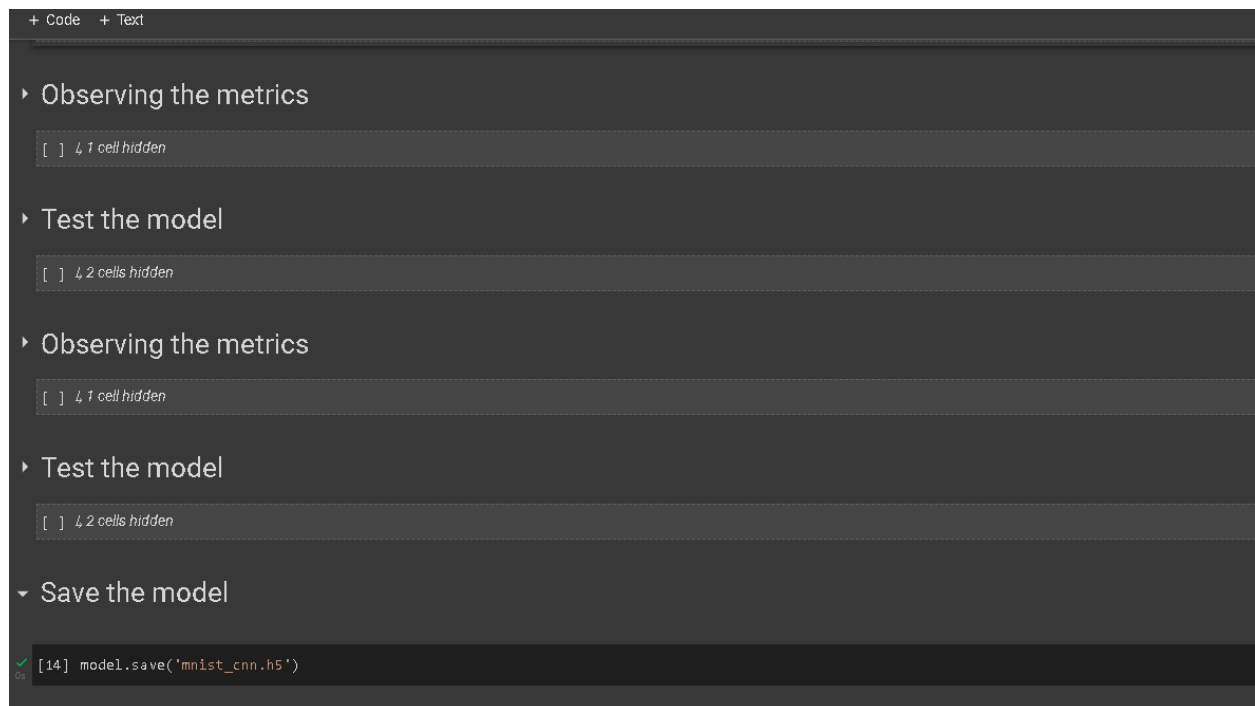


# A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM

## MODEL BUILDING

## SAVING THE MODEL

```
model.save('mnist_cnn.h5')
```



The image shows a Jupyter Notebook interface with a dark theme. At the top, there are tabs for '+ Code' and '+ Text'. The notebook contains several cells, each with a title and a code block. The titles are: 'Observing the metrics', 'Test the model', 'Observing the metrics', 'Test the model', and 'Save the model'. The code blocks contain the following text: '↳ 1 cell hidden', '↳ 2 cells hidden', '↳ 1 cell hidden', '↳ 2 cells hidden', and '[14]: model.save('mnist\_cnn.h5')'. The last cell is marked with a green checkmark and the number '0s' in the bottom left corner.

```
+ Code + Text
```

↳ Observing the metrics

```
[ ] ↳ 1 cell hidden
```

↳ Test the model

```
[ ] ↳ 2 cells hidden
```

↳ Observing the metrics

```
[ ] ↳ 1 cell hidden
```

↳ Test the model

```
[ ] ↳ 2 cells hidden
```

↳ Save the model

```
[14]: model.save('mnist_cnn.h5')
```