

PRACTICAL - 2

CM23042

Browser window: MNIST CNN - Client Side (Singi) x +

File C:/Users/ACER/Desktop/MLTL/practical2/assignment/task1.html

MNIST Digit Recognition using CNN (Client Side)

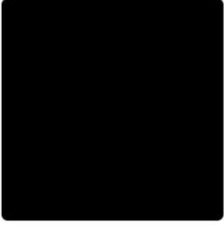
TensorFlow.js loaded using jsDelivr CDN | Training: 5 Epochs

1) Train & Test Model

[Train Model \(5 Epochs\)](#) [Test Accuracy](#)

Status: Testing complete ✓

2) Draw Digit & Predict



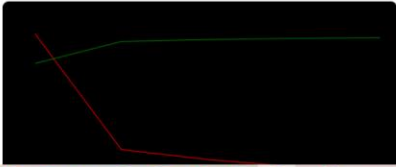
[Clear](#) [Predict](#)

Prediction: -

Logs / Output

```
Loading MNIST dataset...
Building CNN model...
Training started (5 epochs)...
Epoch 1 => loss=0.5947, acc=81.28%
Epoch 2 => loss=0.1569, acc=95.24%
Epoch 3 => loss=0.1192, acc=96.46%
Epoch 4 => loss=0.0919, acc=97.22%
Epoch 5 => loss=0.0745, acc=97.68%
Training completed successfully ✓
Testing started...
Final Test Accuracy: 98.58%
```

Visualization



Windows taskbar: Type here to search, 23°C, 21:00, 01-02-2026

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1) Train & Test Model

[Train Model \(5 Epochs\)](#) [Test Accuracy](#)

Status: Testing complete ✓

2) Draw Digit & Predict



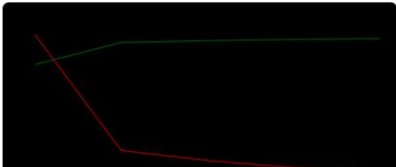
[Clear](#) [Predict](#)

Prediction: 3

Logs / Output

```
Loading MNIST dataset...
Building CNN model...
Training started (5 epochs)...
Epoch 1 => loss=0.5947, acc=81.28%
Epoch 2 => loss=0.1569, acc=95.24%
Epoch 3 => loss=0.1192, acc=96.46%
Epoch 4 => loss=0.0919, acc=97.22%
Epoch 5 => loss=0.0745, acc=97.68%
Training completed successfully ✓
Testing started...
Final Test Accuracy: 98.58%
Predicted Digit: 3
```

Visualization



Windows taskbar: Type here to search, 23°C, 21:01, 01-02-2026

