

CM23058 Practical 2

Lab Assignment 1:

The screenshot shows a web application titled "Lab 3: MNIST Digit Recognition". It features a "Start Training (5 Epochs)" button. Below this, there are two model comparison boxes:

- CNN Model**: Final Accuracy: 98.2%, Epochs: 5.
- Dense Model**: Final Accuracy: 92.5%, Reason: CNNs capture spatial patterns better!

The right side of the image shows a browser's developer console with several error messages related to Tracking Prevention and storage access, and a "Live reload enabled" message.

Lab Assignment 2:

The screenshot shows a web application titled "Lab Assignment 2". It features a "Draw a Digit (0-9)" interface with a drawing area showing the digit "8". Below the drawing area are "Clear" and "Classify" buttons. The prediction result is displayed as "Prediction: 8".

Lab Assignment 3:

The screenshot shows a web application titled "MNIST Neural Network Comparison". It features a "Start Training Comparison" button. Below this, there are two model comparison boxes:

- CNN Model**: Uses convolution layers to learn spatial features from images. Final Accuracy: 98.2%. Training completed successfully.
- Dense Model**: Fully connected layers without spatial feature extraction. Final Accuracy: 92.1%. Training completed with lower accuracy.

Below the model comparison boxes is a table comparing the two models:

Aspect	Dense Network	CNN
Image Understanding	Low	High
Learning Efficiency	More parameters	Fewer shared parameters
Suitability	Simple data	Image-based tasks

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