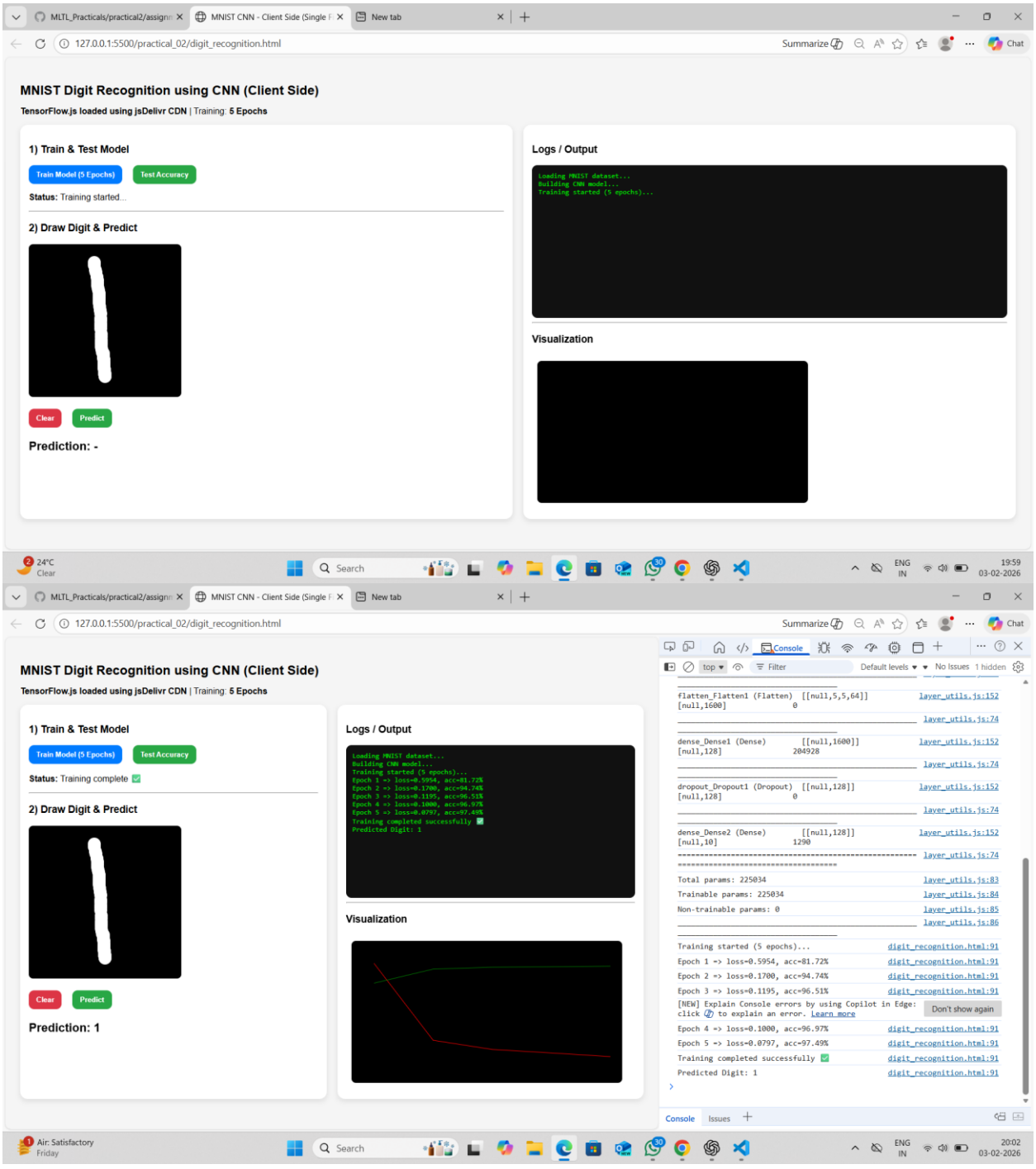
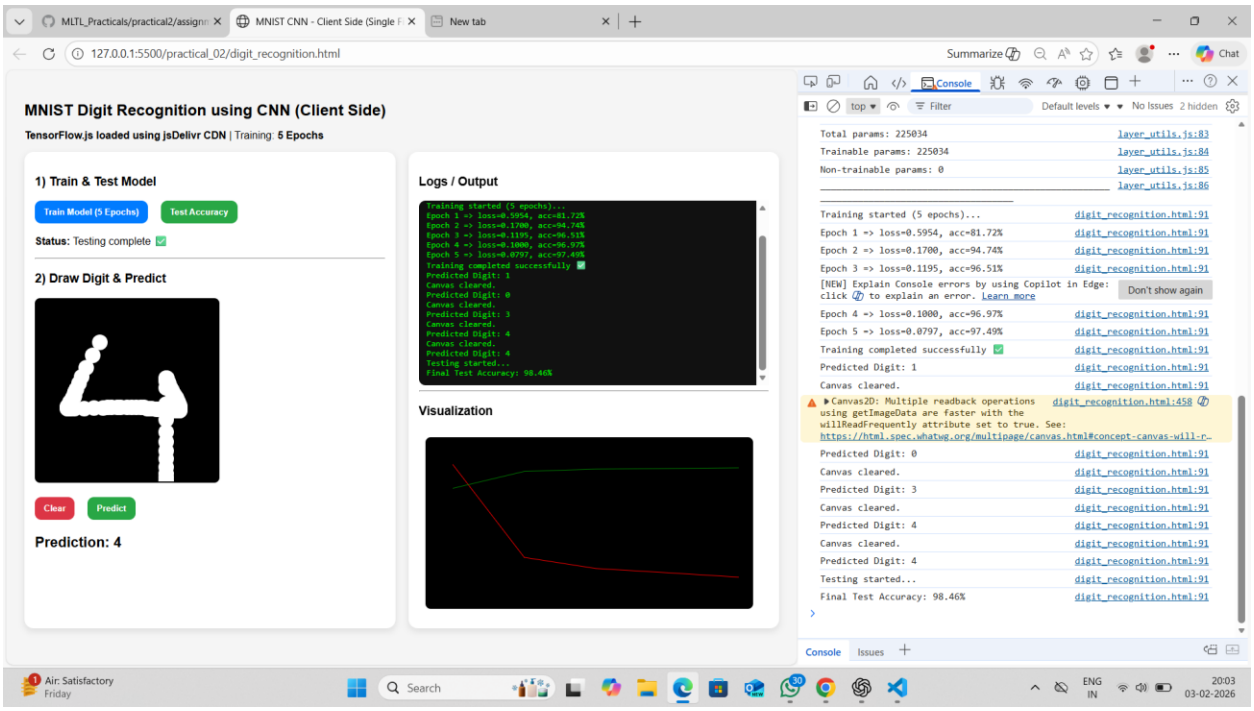
Practical-02




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: 4
Logs / Output
Training started (5 epochs)...
Epoch 1 => loss=0.5954, acc=81.72%
Epoch 2 => loss=0.1700, acc=94.74%
Epoch 3 => loss=0.1195, acc=96.51%
Epoch 4 => loss=0.1000, acc=96.97%
Epoch 5 => loss=0.0797, acc=97.49%
Training completed successfully
Predicted Digit: 1
Canvas cleared.
Predicted Digit: 0
Canvas cleared.
Predicted Digit: 3
Canvas cleared.
Predicted Digit: 4
Canvas cleared.
Predicted Digit: 4
Testing started...
Final Test Accuracy: 98.46%
Visualization
Console
Issues
Total params: 225034
Trainable params: 225034
Non-trainable params: 0
Training started (5 epochs)...
Epoch 1 => loss=0.5954, acc=81.72%
Epoch 2 => loss=0.1700, acc=94.74%
Epoch 3 => loss=0.1195, acc=96.51%
[NEW] Explain Console errors by using Copilot in Edge: click to explain an error. Learn more
Don't show again
Epoch 4 => loss=0.1000, acc=96.97%
Epoch 5 => loss=0.0797, acc=97.49%
Training completed successfully
Predicted Digit: 1
Canvas cleared.
Canvas2D: Multiple readback operations using getImageData are faster with the willReadFrequently attribute set to true. See: https://html.spec.whatwg.org/multipage/canvas.html#concept-canvas-will-r...
Predicted Digit: 0
Canvas cleared.
Predicted Digit: 3
Canvas cleared.
Predicted Digit: 4
Canvas cleared.
Predicted Digit: 4
Testing started...
Final Test Accuracy: 98.46%