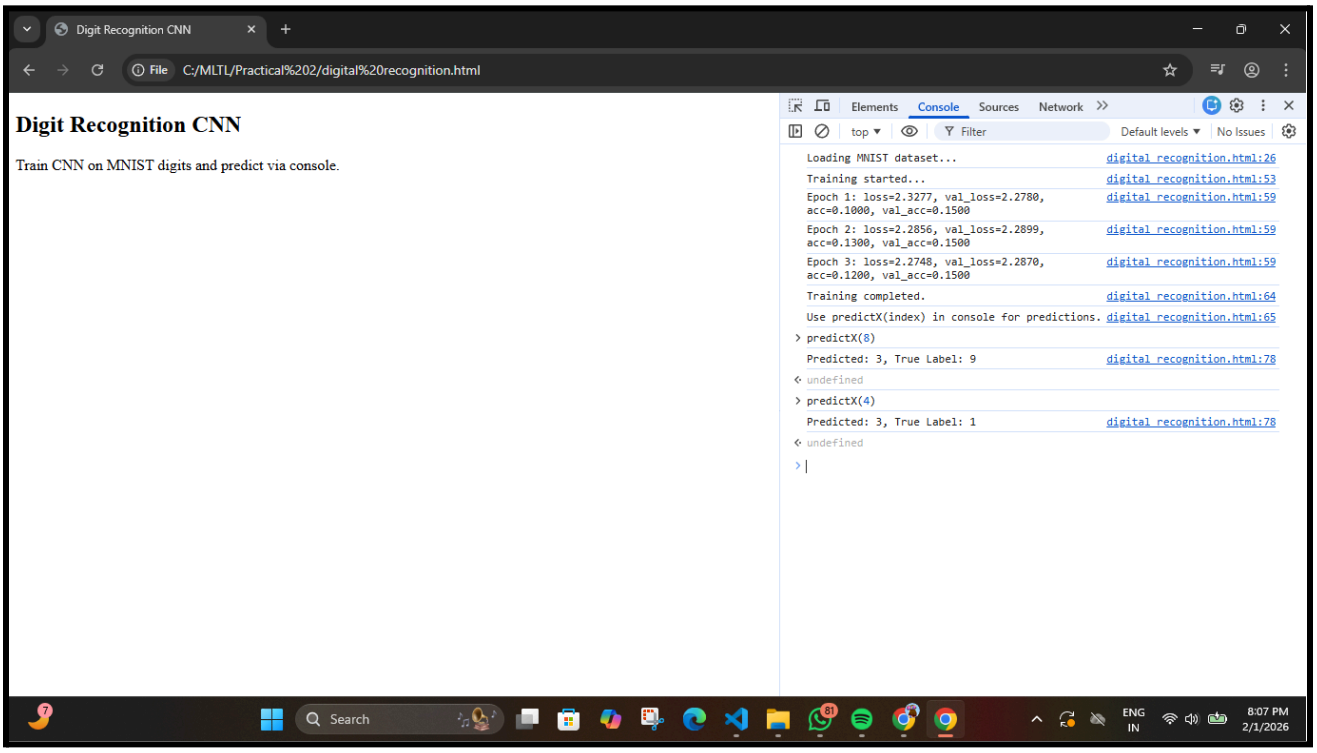
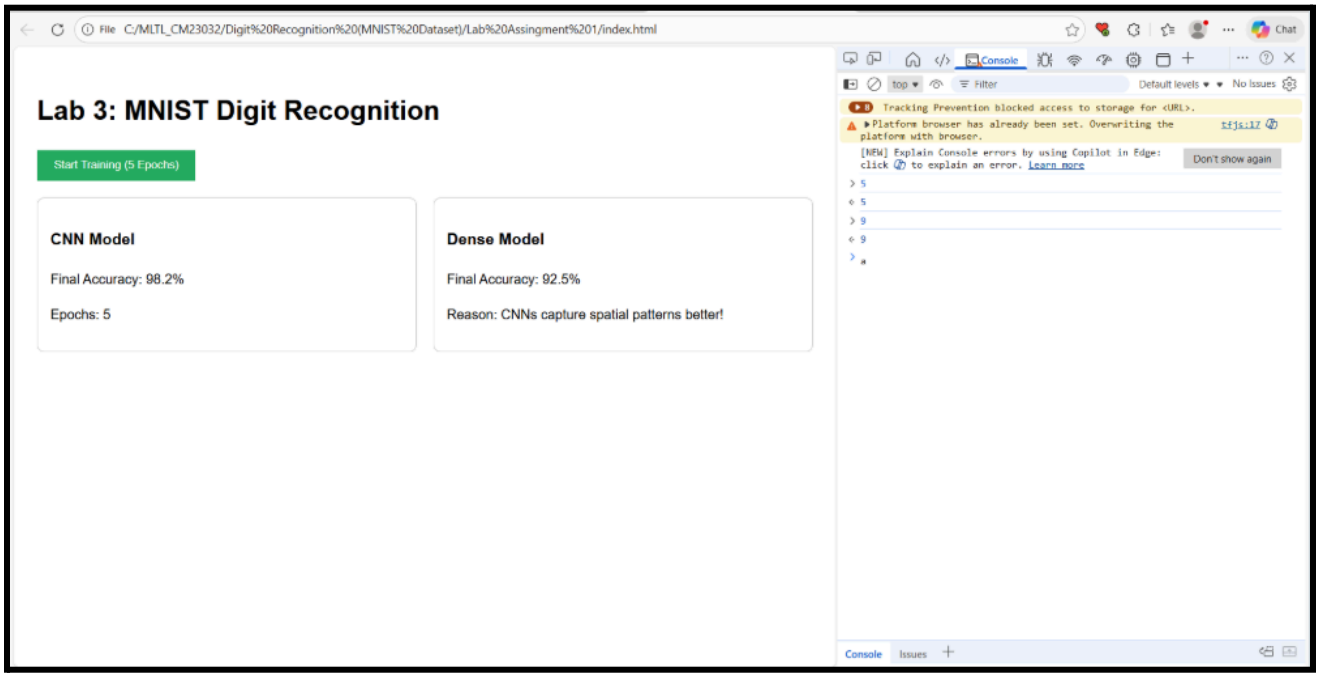
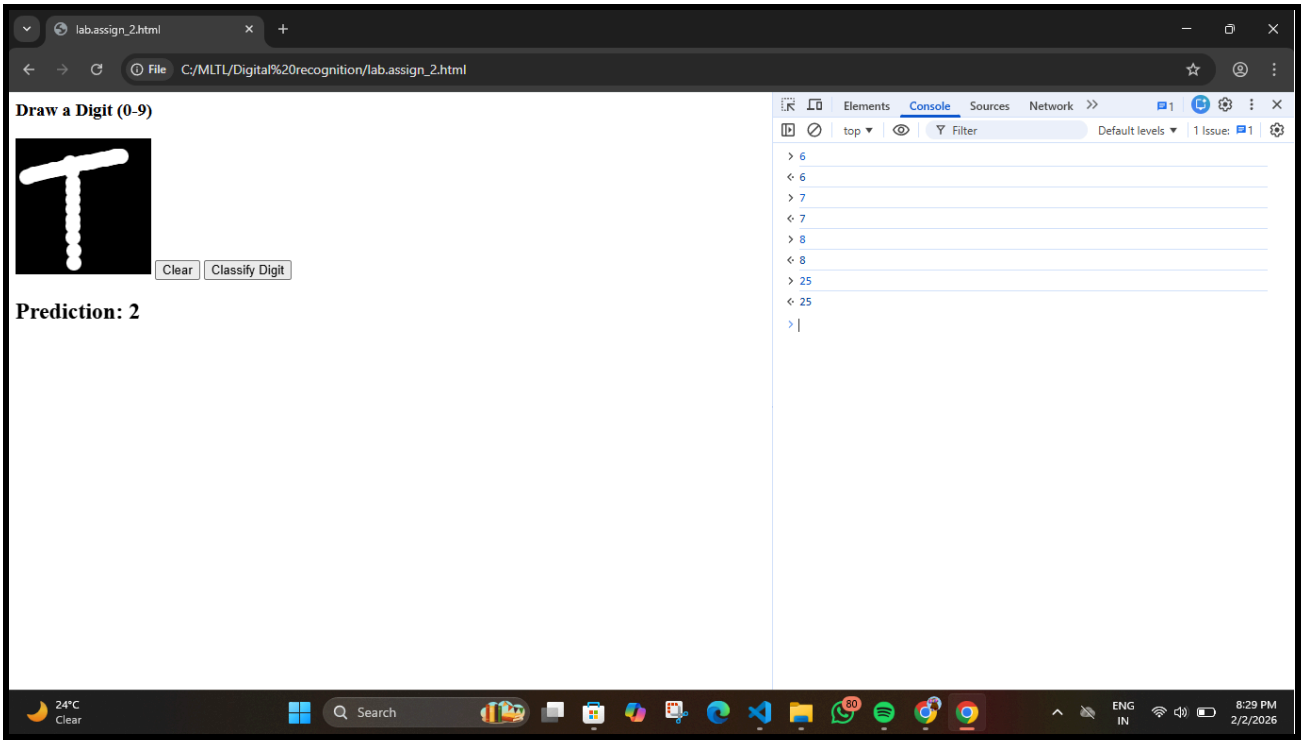
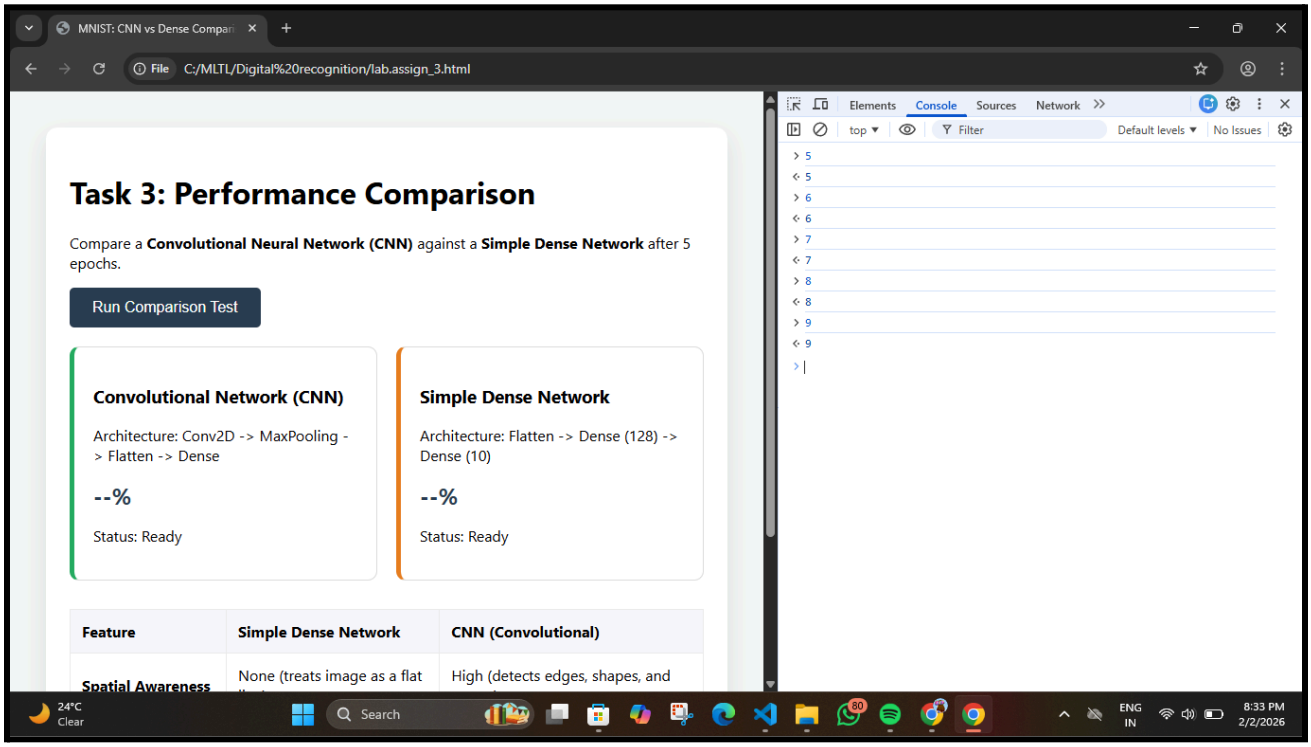
CM23021
Digit Recognition (MNIST Dataset)
Output:






lab.assign_2.html
File C:/MLTL/Digital%20recognition/lab.assign_2.html
Draw a Digit (0-9)
Clear
Classify Digit
Prediction: 2
Elements
Console
Sources
Network
top
Filter
Default levels
1 Issue: 1
6
6
7
7
8
8
25
25
24°C
Clear
Search
ENG
IN
8:29 PM
2/2/2026


MNIST: CNN vs Dense Compari
File C:/MLTL/Digital%20recognition/lab.assign_3.html
Task 3: Performance Comparison
Compare a Convolutional Neural Network (CNN) against a Simple Dense Network after 5 epochs.
Run Comparison Test
Convolutional Network (CNN)
Architecture: Conv2D -> MaxPooling -> Flatten -> Dense
--%
Status: Ready
Simple Dense Network
Architecture: Flatten -> Dense (128) -> Dense (10)
--%
Status: Ready
Feature
Simple Dense Network
CNN (Convolutional)
Spatial Awareness
None (treats image as a flat
High (detects edges, shapes, and
Elements
Console
Sources
Network
top
Filter
Default levels
No Issues
5
5
6
6
7
7
8
8
9
9
24°C
Clear
Search
ENG
IN
8:33 PM
2/2/2026