

Gayatri Vidhate (CM23039)
MLTL Practical 1
Linear Regression through Synthetic Dataset

Learning Rate	Observation
0.01	Smooth regression line
0.05	Faster convergence
0.1	Slight oscillation
1	Unstable predictions
100	Divergence (NaN)

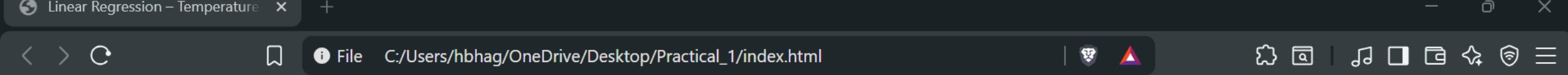
MLTL Practical 1

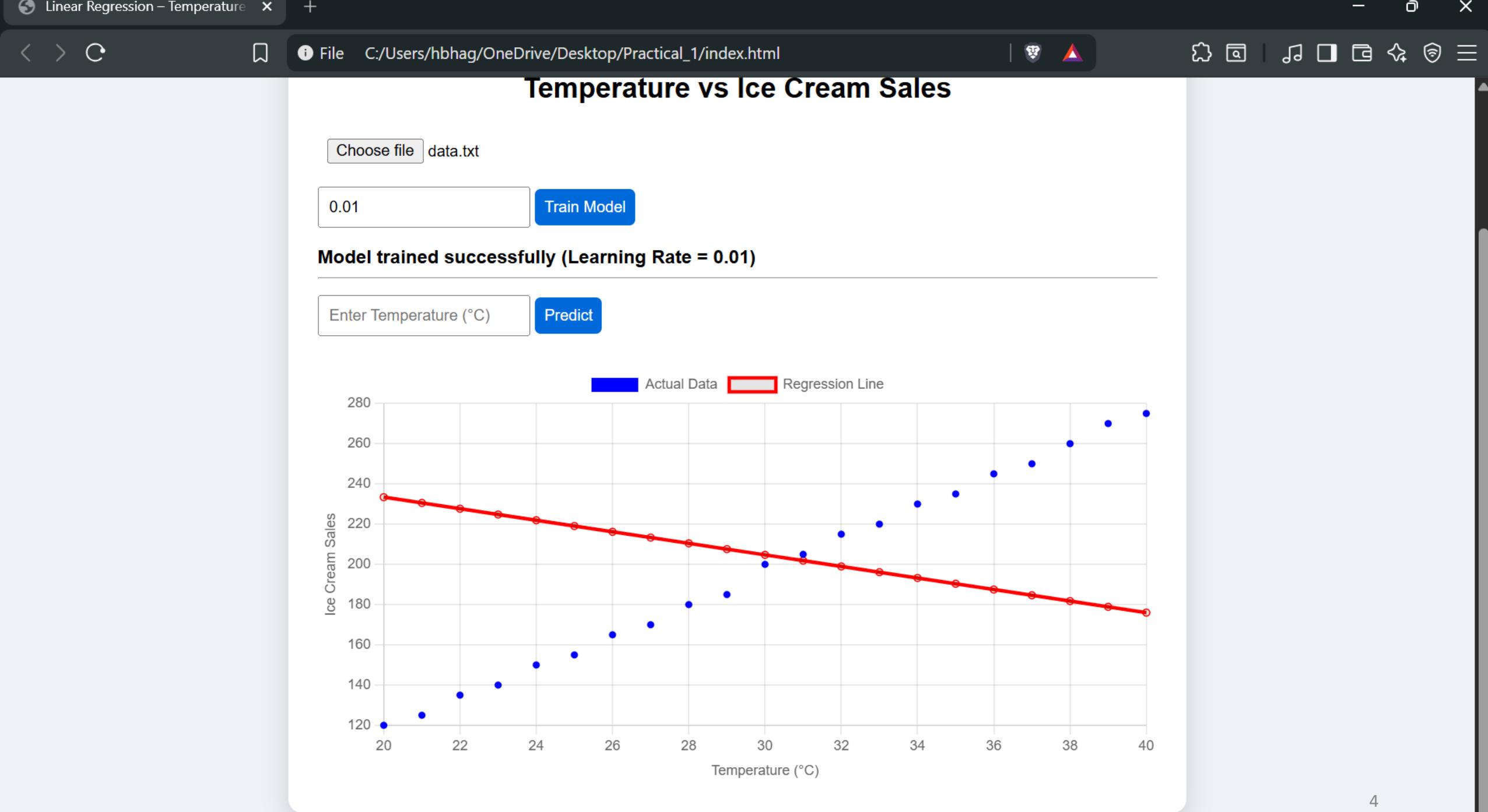
Linear Regression using Synthetic Dataset

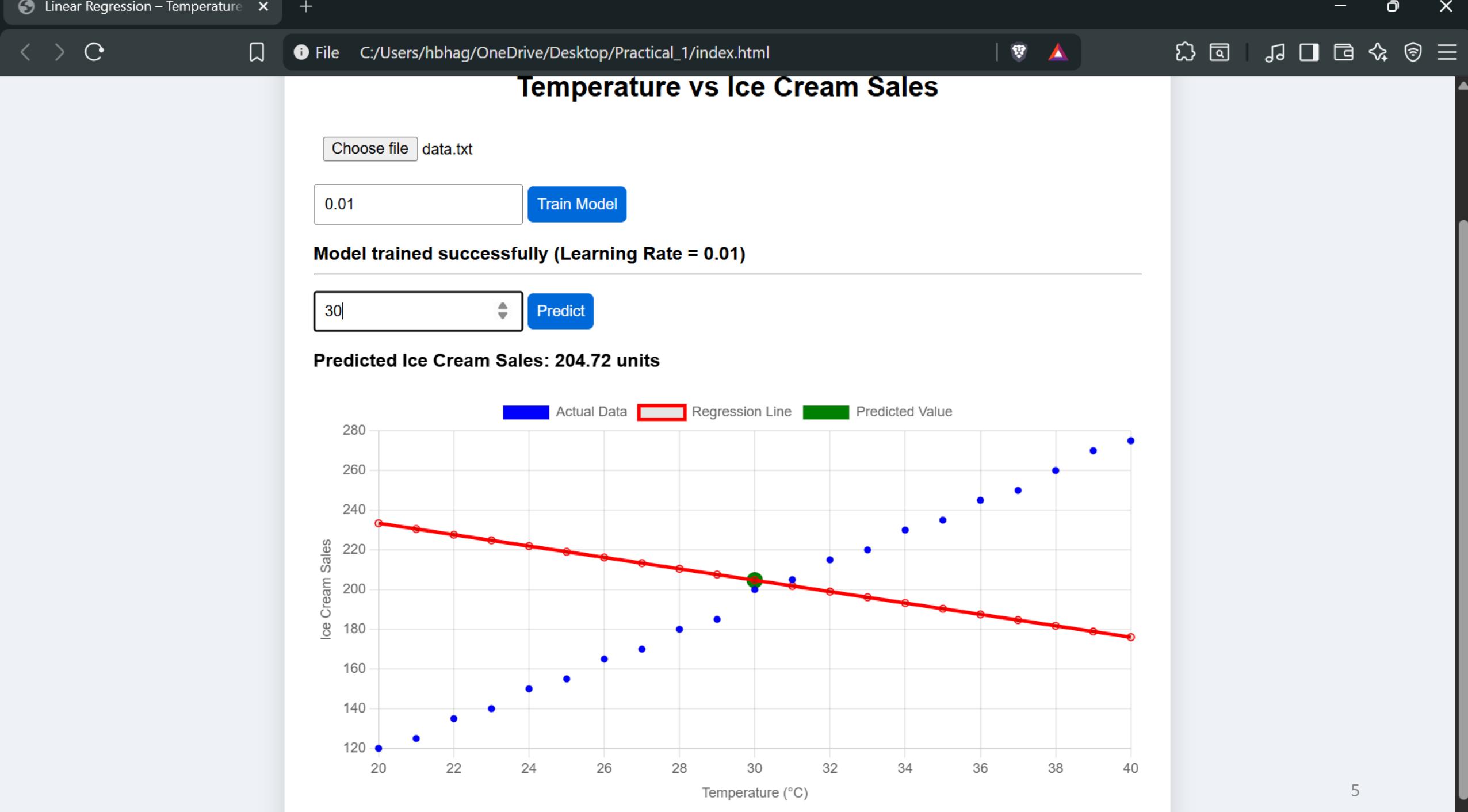
Temperature vs Ice Cream Sales

No file chosen

0.01









20 120
22 135
24 150
26 165
28 180
30 200
32 215
34 230
36 245
38 260
40 275
21 125
23 140
25 155
27 170
29 185
31 205
33 220
35 235
37 250
39 270