Report for HW13 D1262075

1.Fully Connected Layer

Function: Connects every neuron in the previous layer to every neuron in the current layer.

Input: Vector/matrix from the previous layer.

Output: Vector/matrix with size defined by OutputSize.

OutputSize: Determines the number of output neurons.

2. Softmax Layer

Function: Converts outputs to probabilities.

Input: Vector/matrix from the previous layer.

Output: Probabilities that sum to 1.

3. Classification Layer

Function: Used for classification tasks, computes cross-entropy loss.

Input: Probability vector from the Softmax layer.

Output: Predicted class label.