BITS Pilani
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Computer Science & Information Systems

Deep Learning - Lab sheet - Module 1

EXERCISE 2 - IMPLEMENTATION OF AND GATE USING TENSORFLOW

1   Objective

The objective is to

- implements the AND Gate using tensorflow, by specifying the hidden layers, cost function and Gradient descent optimization.

2   Steps to be performed

- Create dataset of AND gate.

- Create placeholders for datasets.

- Create weights and biases.

- Adding hidden layers.

- Define log loss cost function.

- Train the model using Forward Propagation.

3   Expected Results

- Train the model that mimics AND Gate using tensorflow.

4   Modifications

- Implement backward propagation.