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D. Khaja Nawaz

RA2311047010037

Deep Learning Techniques (Lab)

Date	Title	Sign
24/07/2025	1. Exploring the deep learning platform	affair
31/07/25	2. Implement a classifier using open-source dataset	affair
31/07/25	3. Study of the classifiers with respect to statistical parameters	affair
14/08/25	4. Build a simple feed forward neural network to recognize handwritten character	affair
22/08/25	5. Study of Activation functions and their role	affair
09/09/25	6. Implement gradient descent and backpropagation in deep neural network	affair
16/09/25	7. Build a CNN model to classify cat and Dog image	affair
30/09/2025	8. Experiment of LSTM	affair
30/09/2025	9. Build a Recurrent Neural Network	affair
9/10/2025	10. Perform compression on MNIST dataset using autoencoder	affair
9/10/2025	11. Experiments using variational autoencoder	affair
03/11/25	12. Implement a Deep convolutional GAN to generate complex color image	affair
03/11/25	13. Understanding the architecture of pre-trained model	affair
03/11/25	14. Implement a pre-trained CNN model as feature Extractor using	affair
03/11/25	15. Implement a YOLO model to detect objects	affair