Week #: 10

Course: Applied Data Science with AI

Semester: BSSE (B) 7th
Student Name: IMSHA Nadeem
Roll Number: 2225165110
Instructor Name: Dr. Mohsin Nazir

Project Title: Student Performance Prediction

Reading Summary

Reading Material for this Week:
TensorFlow CNN & RNN Guides

Key Learnings:

1. Learned about CNN and RNN models.

2. Understood when these models are suitable for specific data types.

3. Realized CNN and RNN are not suitable for tabular student data.

Classroom Task Documentation

Task Performed in Class:
Viewed examples of CNN for images and RNN for sequence data.

Weekly Assignment Submission

Assignment Title: Advanced Deep Learning

Steps Taken:

1. Analyzed dataset type.

2. Justified why ANN is more suitable than CNN/RNN.

3. Documented model selection decision.

Challenges Faced:

Deciding the correct model for the dataset.

Project Progress Milestone:

Correct deep learning model selected for project.

Self-Evaluation:

Completed task with clear justification.