

Week #: 14

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:

Interpretable ML – Christoph Molnar

Key Learnings:

1. Learned importance of model explainability.
2. Understood SHAP and feature importance.
3. Learned ethical aspects of AI.

Classroom Task Documentation

Task Performed in Class:

Discussed fairness and transparency in AI models.

Weekly Assignment Submission

Assignment Title: Ethics & Explainability

Steps Taken:

1. Explained feature importance (G1, G2, studytime).
2. Interpreted how features affect prediction.
3. Discussed ethical concerns in education AI.

Challenges Faced:

Understanding explainability concepts.

Project Progress Milestone:

Explainability section added to project.

Self-Evaluation:

Completed course project successfully.