Day 11 – June 30, 2025

Topic: ML Algorithms – Linear & Logistic Regression

Introduction

Today I implemented foundational ML algorithms to predict outcomes from data.

Linear Regression

- Predicts continuous values using a linear relationship.
- Example: Predicting house prices based on features.

Logistic Regression

- Predicts categorical outcomes (e.g., Yes/No).
- Example: Predicting if a student passes based on study hours.

Challenges Faced

• Understanding evaluation metrics like accuracy, MSE.

Key Learnings

- Train-test split ensures proper model evaluation.
- ML relies heavily on good-quality data.

Conclusion / Reflection

Linear and logistic regression are foundational for AI. Excited to apply models in real projects.