Weekly Report: Oudarja Barman Tanmoy Alpha AI

Week-04 (march 14 - march 18)

1. **Machine Learning Project:**

   - Tesla Stock Price Prediction Project:

     i. Data preprocessing

     ii. Exploratory Data Analysis

     iii. Model Training (Linear regression, RandomForestRegressor, XGBoost, LSTM, GRU)

     iv. Model evaluation

     v. Inference

2. **Test Driven Development:**

   i. Unit Testing

   ii. Integration Testing

   iii. System Testing

   iv. Acceptance Testing and

   v. Mock Testing

3. **Leet Code Problem Solving:**

   i. Solved some problem based on sliding window