Weekly Report: Oudarja Barman Tanmoy Alpha AI

Week-01 (march 17 - march 21)

1. Machine Learning specialization:

   a) Course 01: Supervised Machine Learning: Regression and Classification

      i. Week 1: Concept about Machine Learning, Supervised Learning, Unsupervised learning , Linear Regression, Cost Function, Visualization of Cost Function, Gradient Descent , Learning Rate.

      ii. Week 2: Multiple Features, Vectorization, Gradient Descent for Multiple Linear Regression.

      iii. Week 3: Logistic Regression, Decision Boundary, Cost Function for Logistic Regression.

2. Object Oriented Programming task:

   a) Learned about basic 4 pillars of Oop

   b) Created a documentation with python script

   c) Created a presentation slide for Oop presentation slide as per the assigned task.

   d) Resources that helps me to learn Oop are geeks for geeks, W3school.

3. DP ML problem solving:

    a) Solved DP ML problem of given ID and completed the documentation related to each problem.

4. DSA problem solving from Leetcode:

    a) Solved DSA problem of given ID and completed the documentation related to each problem.