# Weekly Progress Report (Week 4) Aniket Bhatia

### **Task Completed**

The task completed during the week:

- Practiced seaborn data visualization and linear regression
- Studied about linear function
- Studied about optimization technique
- Working on the Smart City traffic pattern dataset

### **Challenges and Hurdles**

The major challenges that are encountered during the week:

- How Linear function is implemented in data science
- To understand how linear regression works

#### **Lessons Learned**

The knowledge gained during the week:

- Introduction to machine learning
- The Loss function and Gradient Descent
- Optimization techniques
- How Hyperparameter Tuning Works

## **Weekly Progress**

(Smart City Project)



