

Contribution Report

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Specific tasks and responsibilities :

- My task is to generate insights by finding the patterns, trends in the data.
- Gathered the vehicle InTime and OutTime frequency dataset, Parking lot occupancy dataset from the model.
- Preprocessed these datasets.
- Identified the patterns, relationships between the data.
- Generated insights based on the data using Streamlit.
- Parking occupancy over duration (Line Chart), Occupied and Unoccupied parking spaces grouped by parking lots (Bar Chart) these are the insights that i had generated.

Code sections written or major contribution to the project :

- By using Pandas, Matplotlib.pyplot and streamlit, generated insights on Parking Data.
- Deployed the streamlit app with the model so that the model generates the data initially by detecting vehicle number plates and that data will be move on to the insights part to generate insights on the dashboard.

Any challenges faced and how they were overcome :

- I faced challenges in collecting datasets.
- It was a big challenge to preprocess the data for better accuracy.

Collaboration with team members :

- We divided the project in order to each person has to work on the part in which he/she is good at that work.
- Communicating with each other for regular updates.
- Giving some other ideas on insights generation.