1

Set the Goals

Define the output you want to create in a a couple of sentences

I will create a complete analytical report and dashboard on traffic congestion at different junctions.

The project will include:
   Traffic congestion prediction:
   Peak hour identification
   Junction comparison and analysis
   Model evaluation and refinement
All insights will be presented clearly with visualisations and explanations.

Add the skills that you want to learn by the end of the menternship

1 Data Cleaning & Pre-processing	2 Exploratory Data Analysis (EDA)
3 Data Visualization (Matplotlib/Seaborn)	4 Predictive Modelling (Regression/Time-series)

Add the key learnings you want

1 How to identify traffic patterns from real-world datasets
2 How to build a congestion prediction model
3 How to evaluate and refine machine learning models

2

Major Constraints

Add the constraints you face in working on the tasks mentioned in the menternship (for example: data cleaning, creating a content calendar)

1 Working with time-series traffic datasets for the first time
2 Identifying the right algorithm for congestion prediction
3 Summarizing findings in a clear and simple report

Find resources on your own that can help you and add below

1 Time series basics (YouTube)	2 EDA tutorials (DataCamp / FreeCodeCamp)
3 Matplotlib / Seaborn tutorials	4 How to compare models (MSE, RMSE, R^2)
5 Example data dashboards	6 Mentor suggestions during sessions

3

Add the schedule

Add the Schedule Below

Stage	Add the deadline by when you want to complete the corresponding steps	Tick when completed
Start of the Menternship	December 1, 2025	☑
Complete the Workplan and Submitted	December 2, 2025	☑
Component 2	December 6, 2025	☐
Component 3	December 9, 2025	☐
Component 4	December 12, 2025	☐
Component 5	December 15, 2025	☐
Completed the Menternship	December 17, 2025	☐
Recieved the Feedback over email	December 20, 2025	☐
Submitted the Final Draft	December 28, 2025	☐

Add the Schedule for Mentor Sessions you want to attend

Stage	Date (Double click on the cell below and add a date)	Tick when completed
Mentor Session 1	December 7, 2025	☐
One on One Call (Book one when you have specific queries)		☐
Mentor Session 2	December 14, 2025	☐
Mentor Session 3	December 21, 2025	☐
One on One Call (Book one when you have specific queries)		☐
Mentor Session 4		☐

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