

Set the Goals

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

Develop a predictive model that forecasts hourly traffic volumes at different road junctions using historical data and external factors, and document the process from data cleaning to evaluation.

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

1

Time series forecasting techniques Data preprocessing and feature engineering

Model evaluation and tuning

Real-world model deployment approach

Add the key learnings you want

How to build an end-to-end ML project

Managing project timelines and tasks

3

3

Major Constraints

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

Incomplete or messy traffic data

2

Limited domain knowledge about traffic flow patterns

Balancing mentorship tasks with academic workload

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

Towards Data Science articles on traffic prediction

YouTube – Krish Naik traffic ML project

Scikit-learn + Pandas official documentation

Kaggle notebooks on traffic forecasting

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	May 5, 2025	TRUE
Complete the Workplan and Submitted	May 6, 2025	TRUE
Component 2	May 10, 2025	FALSE
Component 3	May 13, 2025	FALSE
Component 4	May 17, 2025	FALSE
Component 5	May 20, 2025	FALSE
Completed the Menternship	May 23, 2025	FALSE
Recieved the Feedback over email		FALSE
Submitted the Final Draft		FALSE

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	April 27, 2025	FALSE
One on One Call (Book one when you have specific queries)	May 11, 2025	FALSE

Mentor Session 2	May 4, 2025	FALSE
Mentor Session 3		FALSE
One on One Call (Book one when you have specific queries)	May 18, 2025	FALSE
Mentor Session 4		FALSE

	Do not alter
	You need to fill