"Hi, I'm Shaik Mahammad Ghouse, and I'd like to share my experience during my recent Menternship, where I worked on a traffic data analysis project."

Situation: The project aimed to understand how traffic patterns influence ride-sharing prices like Uber fares.

Task: My role was to clean, preprocess, and analyze traffic data, integrate it with weather and event data, and build predictive models.

Action: I handled missing values, removed duplicates, standardized the data, and engineered features like time, lags, and event indicators. I trained models like LSTM, and tree-based algorithms, evaluated them using MAE and RMSE, and applied cross-validation for robustness.

Result: I successfully identified peak traffic hours, revealed how external factors affect congestion and pricing, and presented insights through visual reports. This Menternship sharpened my skills in data science, modeling, and real-world problem-solving.