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| Name Of The Student | Lavannya Sandeep Rautal |
| Internship Project Topic | TCS iON RIO-125: Forecasting System - Project Demand of Products at a Retail Outlet Based on Historical Data |
| Name of the Organization | TCS |
| Name of the Industry Mentor |  |
| Name of the Institute | Vishwakarma University |

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| Date:20/07/2023 | Day 4 | Hours Spent: 3:30 hours |
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| Activities done during the day:  Today, I continued my journey in data preparation, focusing on data sanitization and researching potential forecasting models for my demand forecasting project. The first hour was dedicated to data sanitization, where I concentrated on eliminating duplicates and ensuring that the dataset is in optimal condition for analysis.  In the second hour, I shifted my focus to exploring various forecasting models suitable for time series data. I delved into the concepts behind Exponential Smoothing, ARIMA, and other relevant models. Understanding these models is essential as it will guide my decision on which one to implement.  The third hour was dedicated to documenting my findings and the potential model options. Clear and concise documentation is key to ensuring that I have a well-structured foundation to refer back to as I progress further in the project.  As I reflect on Day 4, I appreciate how the combination of data preprocessing and research on forecasting models is laying a strong groundwork for the project. The data is becoming more refined and ready for modeling, and I'm gaining a clearer understanding of the tools at my disposal. | | |