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| Name Of the Student | Dev Rakesh Singh |
| Internship Project Topic | RIO-125: Forecasting System - Project Demand of Products at a Retail Outlet Based on Historical Data Batch 01 |
| Name of the Organization | TCS |
| Name of the Industry Mentor |  |
| Name of the Institute | Vishwakarma University |

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| Date | Day 1 | Hours Spent |
| 30-07-2023 | 14 | 1 |
| Activities done during the day:  Day 14 marked a milestone in the project's development. The first hour was dedicated to reviewing and optimizing the Exponential Smoothing model's codebase, ensuring that it adhered to best coding practices.  In the second hour, I conducted a comprehensive training session for the model. This extended training period allowed the model to capture long-term trends and complex seasonality patterns present in the historical sales data.  The third hour was once again focused on hyperparameter tuning. I explored various combinations of alpha, beta, and gamma values, analyzing their impact on the model's predictive accuracy.  Day 14 represented a significant stage in the project's progress. The model's codebase was robust, and it had been extensively trained. The ongoing hyperparameter tuning process was essential to achieving the highest level of forecasting precision. | | |