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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:31/07/2023 | Day 15 | Hours Spent: 3 hours |
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| Activities done during the day:  On Day 15, I continued to fine-tune the Exponential Smoothing model. The first hour was dedicated to reviewing and optimizing the codebase, ensuring that it was efficient and well-organized.  In the second hour, I conducted an extended training session for the model. This allowed it to capture intricate patterns and respond to seasonal variations present in the historical sales data.  The third hour was once again dedicated to hyperparameter tuning. I systematically tested various combinations of alpha, beta, and gamma values, closely monitoring the model's performance.  Day 15 showcased the ongoing commitment to model refinement. The codebase was in excellent shape, and the model had undergone extensive training. The hyperparameter tuning process continued to be a critical aspect of achieving superior forecasting accuracy. | | |