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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: 5/08/2023 | Day 20 | Hours Spent: 3 hours |
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| Activities done during the day:  Day 20 marked the culmination of weeks of work on model implementation and refinement. In the first hour, I meticulously reviewed and finalized the codebase for the Exponential Smoothing model. Thorough testing ensured that the code was robust and error-free.  In the second hour, I conducted an extensive training session for the model, allowing it to capture long-term trends and intricate patterns within the historical sales data.  The third hour was dedicated to the ongoing process of hyperparameter tuning. I continued to test various combinations of alpha, beta, and gamma values, seeking the configuration that produced the most accurate forecasts.  Day 20 was a significant milestone in the project. The model's codebase was optimized and efficient, and it had undergone extensive training. The hyperparameter tuning process had provided valuable insights, and I was increasingly confident in the model's forecasting capabilities as I prepared for the validation phase. | | |