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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:29/07/2023 | Day 13 | Hours Spent: 3 hours |
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| Activities done during the day:  On Day 13, I continued to enhance the Exponential Smoothing model's implementation. The first hour was dedicated to code review and optimization, ensuring that the codebase was efficient and well-structured.  In the second hour, I conducted an extended training session for the model. This allowed it to further refine its understanding of historical sales data and respond to intricate patterns and seasonality.  The third hour was once again dedicated to hyperparameter tuning. I explored various combinations of alpha, beta, and gamma values, seeking the parameter configuration that produced the most accurate forecasts.  Day 13 represented another step forward in the project. The codebase was in excellent shape, and the model had undergone extensive training. Hyperparameter tuning remained a focal point as I aimed to achieve the best possible forecasting accuracy. | | |