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| Name Of The Student | ALIYA P SUBEER |  |
| Internship Project Topic | Classification Model - Build a Model that Classifies the Side Effects of a Drug |  |
| Name of the Organization | TCS ION |  |
| Name of the Industry Mentor | DEBASHIS ROY |  |
| Name of the Institute | ICT ACADEMY OF KERALA |  |

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| Date | Day # | Hours Spent |
| 22/09/2023 | 16 | 4 |
| **Activities done during the day:**  LGBM CLASSIFIER  **Insight:**  Different algorithms having accuracy different. So try maximum number of algorithms.  **Next step:**  TRY NAÏVE BAYES BERNOULLI.  **Conclusion:**  LGBM Classifier is a type of machine learning model that is based on the **LightGBM** framework. It is a gradient boosting framework that uses tree-based learning algorithms. The LGBM Classifier is known for its **fast training speed** and **high efficiency**. It can handle large datasets and has been used in various applications such as **click-through rate prediction**, **recommendation systems**, and **anomaly detection.**  The Accuracy of the train\_data is: 0.9667959183673469  The Accuracy of the model is: 0.904 | | |