[**Data-Scientist-Intern-ll-Project-Code-567TCS-2B**](https://github.com/Technocolabs100/Data-Scientist-Intern-ll-Project-Code-567TCS-2B)

## Project: [****Flight Price Prediction****]

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1. **Project Motivation:**
   * 1. Predict the cheapest airplane ticket at the given time and data
2. **Problem Definition:**
   * 1. We will analyze the different airlines data with different category
     2. The price of the tickets varies from minute to minute
     3. Duration of whole process will be encountered.
3. **Relevant Method/Model:**
   * + 1. We will split into the train test data with the ratio of 66% and 33%
       2. Approximately 2-years of data with different airline will be used for training
       3. Random Forest, LGBM, XGBoost and Lasso Regressor models were used
4. **Performance Measurement**
   * + 1. With the help of feature Engineering, we will measure our performances
       2. The best result was given by Random Forest with the accuracy of 91%
       3. The second-best model was XGBoost with the accuracy of 75% with the given amount of data
5. **Risks and Dependencies**:
   * + 1. The project was trained on the basis of Indian flight data.
6. **Run performance checks:**
   * + 1. Accuracy of the model will be based on predicted price vs actual price