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| Internship Project Title | RIO-125: Classification Model - Build a Model that Classifies the Side Effects of a Drug |
| Name of the Company | TCS iON |
| Name of the Industry Mentor | HIMALAYA AASHISH |
| Name of the Institute | ICT ACADEMY OF KERALA |

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| Start Date | End Date | | Total Effort (hrs.) | | Project Environment | Tools used |
| 1 march 2021 | 16 march 2021 | | 11 | | python | Pandas, Jupiter, numpy |
| Milestone #1 |  | Milestone: | | Day 5 ,Create, clean, sanitize and preprocess the dataset | | |

INTERIM PROJECT REPORT 1

RIO-125: Classification Model - Build a Model that Classifies the Side Effects of a Drug

The project aims at building a Classification Model for the side effects of a drug.

**Objective**

* **To build a classification model that classifies the side effects of a drug by age, gender and race**

**Introduction / Description of Internship**

The internship aims to create a dataset of 4.0 lakhs patients containing the details such as name, age, gender, race and side effects and build a model to classify the side effects of a particular drug based on the features.

**Activities upto Day 5**

**Creating dataset** – The dataset was created using faker library. The features name, patient id, age, gender, race and side effects were created using faker.

* **Cleaning of dataset –** As the dataset was created there were no null values, missing or other anomalies
* **Sanitizing the Dataset**
* **Preprocessing - Checked for null values, missing or other anomalies**