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| Internship Project Title | RIO-125: HR Salary Dashboard - Train the Dataset and Predict Salary |
| Name of the Company | TCS iON |
| Name of the Industry Mentor | Rushikesh |
| Name of the Institute | Indian Institution of Information Technology and Management of Kerala |

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| --- | --- | --- | --- | --- | --- | --- |
| Start Date | End Date | | Total Effort (hrs.) | | Project Environment | Tools used |
| 12/03/2021 | 10/06/2021 | | 27 | | Jupyter notebook | Python 3 |
| Milestone # | 1 | Milestone: | | Create dataset, clean dataset and sanitize dataset | | |

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**Acknowledgements**

First of all, I am expressing my sincere gratitude towards my industry mentor, Rushikesh and academic mentor, Dr. Manoj Kumar T.K for helping me throughout this project until now and providing me this wonderful platform to complete this project. I am also thankful for answering my queries at every phase of the project. You kept me going until now. I also want to thank all my friends who helped me with valuable suggestions during this project.

**Objective**

The objective of this model is to make a salary prediction dashboard.

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**Introduction**

During this first 5 days of my project I have collected the dataset. I have also cleaned and sanitized the dataset. Now the dataset is ready for training which shall be used for salary prediction.

**Internship Activities**

* Watched all welcome kit videos
* Did preparation for RIO – pre assessment test
* Attended the RIO – pre assessment test
* Gone through the day wise plan
* Read the project reference material
* Read the industry project material
* Watched webinar 2
* Watched webinar 1
* Gone through all posts in the digital discussion room
* Posted queries and doubts about the project and webinar 1 in DDR
* I went through the linear regression you tube video
* Read the linear regression article
* Made myself clear with the math behind the model
* Implemented a linear regression model on my own
* Did some participation in the digital discussion room
* Searched and found out a proper data set for this project
* Wrote activity reports
* Checked and clarified the data set whether it has enough data for the project
* Read 2 articles and find out how to clean and sanitize the data
* Again, checked and clarified the data set whether it has enough data for the project
* Cleaned the data set
* Sanitized the data set

**Outcome**

After 1st milestone of this TCS-iON internship project I have learned how about regression models and I have also cleaned and sanitized the dataset. I have cleaned and removed 2 unnecessary columns capital-gain and capital-loss which are not needed in salary prediction.

**Link to code and executable file**

Link to the colab file : <https://colab.research.google.com/drive/18LtncY8kcTPrSV2ewTaTAGjY05xeuByS?usp=sharing>

Link to the github file :

<https://github.com/Rithik-Alias/Salary-prediction-dashboard>