* **Work Done so far-**

* **Papers / Thoery studied**

|  |  |
| --- | --- |
| **Title of paper** /Topic name | **Other details** |
| Bank Customer Retention Prediction | https://github.com/param9898/Banking\_Customer\_Retention\_Prediction/blob/main/bank-churn-prediction.ipynb |

* **Implementations done**
* **Data Understanding and Exploration**
* **Univariate Analysis**: Utilized histograms, box plots, and density plots to visualize the distribution
* Identified key patterns, outliers, and anomalies within single variables.
* **Bivariate Analysis**: Created scatter plots, correlation matrices, and pair plots to assess correlations and dependencies between variables.
* Analysis to explore relationships between pairs of variables.
* **Multivariate Analysis**: Performed multivariate analysis to understand the interactions among multiple variables simultaneously.
* Created multivariate plots to uncover patterns and groupings within the data.
* **Next week action plan.**
* Model Development.
* Evaluation Metrics
* Model Training
* Testing