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| **Team Member’s Name, Email, and Contribution:** |
| **Name** – Biswajit Gochhayat  **Email** – gochhayatbiswajit253@gmail.com  **Contribution –** Everything (Individual Project) |
| **Please paste the GitHub Repo link.** |
| ***GitHub link*:-** https://github.com/143biswajit/HEALTH-INSURANCE-CROSS-SELL-PREDICTION.git |
| **Please write a summary of your Capstone project and its components. Describe the problem statement, your approaches, and your conclusions. (200-400 words)** |
| **problem statement:**   * **A Insurance company that has provided Health Insurance to its customers now needs to help in building a model to predict whether the customers from the past year will also be interested in Vehicle Insurance provided by the**   **company.**  **Approaches :**   * At 1st Handel all the null values, Replace all null values in an appropriate manner * 2nd using different lenses(library) to view data across the segment. * 3rd Doing feature engineering to get columns that are best feasted to ml model. * 4th Treat the outliers and skewness treat to the existing data. * 5th Implementing ml model and evaluate those models. * 6th store all the evaluate and fitted data into a data frame and taking the best model   **Conclusions :**   * **The performance of the model is measured using precession and recall and with the help of feature selection, and accuracy score .from the above table, it can be seen that Logistic Regression and Logistic regression with GDS have a good score. With the help of feature selection, we got only the Decision Tree with greed search cv gives us also a good model. We consider all these 3 models for our model validation.** |

**Capstone Project Submission**