**Model Development Phase Template**

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| Date | 15 July 2024 |
| Team ID | 740713 |
| Project Title | Genetic Classification of an Individual by Using Machine Learning |
| Maximum Marks | 6 Marks |

**Model Selection Report**

In the forthcoming Model Selection Report, various models will be outlined, detailing their descriptions, hyperparameters, and performance metrics, including Accuracy or F1 Score. This comprehensive report will provide insights into the chosen models and their effectiveness.

**Model Selection Report:**

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| --- | --- | --- | --- |
| **Model** | **Description** | **Hyperparameters** | **Performance Metric (e.g.,**  **Accuracy, F1 Score)** |
| Random Forest Classifier | The RandomForestClassifier is an ensemble learning method that builds multiple decision trees and merges them together to get a more accurate and stable prediction | Hyperparameters not used | 1.0 |
| Logistic Regression | Logistic Regression is a statistical method for binary classification that models the probability of a class label based on one or more features using a logistic function. | Hyperparameters not used | 0.8 |