



Model Development Phase Template

Date	20 JUNE 2024	
Team ID	740094	
Project Title	Human Resource Management:Predicting Employee Promotions Using Ml	
Maximum Marks	4 Marks	

Initial Model Training Code, Model Validation and Evaluation Report

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

Initial Model Training Code:

Paste the screenshot of the model training code

Model Validation and Evaluation Report:

Model	Classification Report	Accuracy	Confusion Matrix
Decision tree classifier	Classification report precision recall f1-score support precision recall f1-score support 0 0.94 0.92 0.93 15005 1 0.92 0.94 0.93 15019 accuracy 0.93 30804 macro avg 0.93 0.93 0.93 30804 weighted avg 0.93 0.93 0.93 30804	93%	confusion_matrix [[13877 1188] [867 14152]]





Random Forest Classifier	0 0.95 0. 1 0.94 0. accuracy accuracy macro avg 0.87 0.	all f1-score support 1.94	94%	Confusion matrix [[14169 896] [776 14243]]
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