

Model Optimization and Tuning Phase Template

Date	25 JUNE 2024
Team ID	739689
Project Title	Human Resource Management:Predicting Employee Promotions Using ML
Maximum Marks	10 Marks

Model Optimization and Tuning Phase

The Model Optimization and Tuning Phase involves refining machine learning models for peak performance. It includes optimized model code, fine-tuning hyperparameters, comparing performance metrics, and justifying the final model selection for enhanced predictive accuracy and efficiency.

Hyperparameter Tuning Documentation (6 Marks):

Model	Tuned Hyperparameters	Optimal Values
Model1	Hyperparam1,Hyperparam2,...	Value1, Value2, ...
Model 2	Hyperparam1, Hyperparam2, ...	Value1, Value2, ...
...

Performance Metrics Comparison Report (2 Marks):

Model	Baseline Metric	Optimized Metric
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Model 1	Baseline value	Optimized value
Model 2	Baseline value	Optimized value

Final Model Selection Justification (2 Marks):

Final Model	Reasoning
Model 1 (or other)	Explanation of why this model was chosen as the final optimized model