



Model Optimization and Tuning Phase Report

Date	20 June 2 <i>02</i> 4	
Team ID	Team - 740099	
Project Title	To Predict Consumer Price Index	
Maximum Marks	10 Marks	

Model Optimization and Tuning Phase

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

Random Forest regression	The Random Forest Regression model was selected for its superior performance, exhibiting high accuracy. Its ability to handle complex relationships, minimize over fitting, and optimize predictive accuracy aligns with project objectives, justifying its selection as the final model.
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