

Model Optimization and Tuning Phase Template

Date	Nov 2024
Team ID	Team-739662
Project Title	Chatbot based on Data Science Enquiry using NLP
Maximum Marks	10 Marks


Model Optimization and Tuning Phase

The Model Optimization and Tuning Phase involves refining neural network 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 (8 Marks):

Model	Tuned Hyperparameters
Rasa model	Optimizing and tuning a Rasa chatbot involves refining its natural language understanding (NLU) and dialogue management (DM) components to enhance its accuracy, efficiency, and user experience.

Final Model Selection Justification (2 Marks):

Final Model	Reasoning
<p>This Model can be deployed to a production environment or integrate it with a messaging platform.</p>	 <p>In this aquamarine model is the best model.</p>