



Model Optimization and Tuning Phase Template

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Team ID	SWTID1720085445
Project Name	Hydration Essentials: Classifying Water Bottle Images
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
Sequential	<pre>def create_cnn_model(input_shape, num_classes): model = Sequential([</pre>





Final Model Selection Justification (2 Marks):

Final Model	Reasoning
	represents a linear stack of layers. It is a straightforward way to create neural
	networks where each layer has exactly one input tensor and one output
Sequential	tensor.