**Model Optimization and Tuning Phase Template**

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| Date | 15 Nov 2024 |
| Team ID | 739938 |
| Project Title | AI Enabled Candidate Resume Screening |
| 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):

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| **Model** | **Tuned Hyperparameters** |
| Model 1 | - |

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### Final Model Selection Justification (2 Marks):

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| **Final Model** | **Reasoning** |
| Model 1 | Early stopping is frequently used in **neural networks** to ensure that the model doesn't overfit when learning from diverse and sometimes noisy resume data. |