**Model Development Phase Template**

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| --- | --- |
| Date | 15 March 2024 |
| Team ID | xxxxxx |
| Project Title | xxxxxx |
| Maximum Marks | 6 Marks |

**Model Selection Report**

In the forthcoming Model Selection Report, various models will be outlined, detailing their descriptions, hyperparameters, and performance metrics, including Accuracy or F1 Score. This comprehensive report will provide insights into the chosen models and their effectiveness.

**Model Selection Report:**

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| --- | --- | --- | --- |
| **Model** | **Description** | **Hyperparameters** | **Performance Metric (e.g., Accuracy, F1 Score)** |
| text-bison-001 (PaLM 2 Legacy) | A legacy model that understands text and generates text as an output. This is the model specifically mentioned as powering JobSwift. | temperature: 0.7, top\_p: 0.95, top\_k: 40, input\_token\_limit: 8196, output\_token\_limit: 1024 | Performance metric value |
| gemini-1.0-pro | The best model for scaling across a wide range of tasks. Could be useful for JobSwift's various text generation tasks. | temperature: 0.9, top\_p: 1.0, top\_k: None, input\_token\_limit: 30720, output\_token\_limit: 2048 | Performance metric value |
| gemini-1.0-pro-vision-latest | The best image understanding model to handle a broad range of applications. Could be useful if JobSwift expands to handle resume images or profile pictures. | temperature: 0.4, top\_p: 1.0, top\_k: 32, input\_token\_limit: 12288, output\_token\_limit: 4096 | **...** |
| embedding-001 | Obtain a distributed representation of a text. Could be useful for semantic understanding of job descriptions and resumes. | temperature: None, top\_p: None, top\_k: None, input\_token\_limit: 2048, output\_token\_limit: 1 |  |