**Model Development Phase**

|  |  |
| --- | --- |
| Date | 15 March 2024 |
| Team ID | SWTID1720184727 |
| Project Title | Jobswift |
| 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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **Description** | **Hyperparameters** | **Screenshot** |
| chat-bison-001 | A legacy text-only model optimized for chat conversations. | temperature-0.25, top\_p=0.95, top\_k=40 |  |
| text-bison-001 | A legacy model that understands text and generates text as an output. | temperature=0.7, top\_p=0.95, top\_k=40 |  |
| **embedding-**  **gecko-001** | **Obtain a distributed representation of a text.** | **None** |  |
| gemini-1.0-pro | **The best model for scaling across a wide range of tasks.** | **temperature=0.9, top\_p=1.0** |  |
| gemini-1.0-pro- 001 | **The best model for scaling across a wide range of tasks. This is a stable model that supports tuning.** | **temperature=0.9, top\_p=1.0** |  |
| gemini-1.0-pro- latest | **The best model for scaling across a wide range of tasks. This is the latest model.** | **temperature=0.9, top\_p=1.0** |  |
| gemini-1.0-pro- vision-latest | **The best image understanding model to handle a broad range of applications.** | **temperature-0.4, top\_p=1.0, top\_k=32** |  |
| gemini-1.5- flash | **Fast and versatile multimodal model for scaling across diverse tasks.** | **temperature-1.0,** **top\_p=0.95, top\_k=64** |  |
| gemini-1.5- flash-001 | **Fast and versatile multimodal model for scaling across diverse tasks.** | **temperature-1.0, top\_p=0.95, top\_k=64** |  |
| gemini-1.5- flash-latest | **Fast and versatile multimodal model for scaling across diverse tasks.** | **temperature=1.0, p = 0.95 X = 64** |  |
| gemini-1.5-pro A | **Mid-size multimodal model that supports up to 2 million tokens.** | **temperature i = 1 top\_p=0.95, ni p\ k = 64** |  |
| gemini-1.5-pro- 001 | **Mid-size multimodal model that supports up to 2 million tokens.** | **temperature=1.0, top\_p p = 0.95 k = 64** |  |
| gemini-1.5-pro- latest | **Mid-size multimodal model that supports up to 2 million tokens.** | **temperature=1.0, top\_p=0.95, top\_k=64** |  |
| gemini-pro | **The best model for scaling across a wide range of tasks.** | **temperature=0.9, top\_p=1.0** |  |
| gemini-pro- vision | **The best image understanding model to handle a broad range of applications.** | **temperature=0.4, top\_p=1.0, top\_k=32** |  |
| embedding-001 | **Obtain a distributed representation of a text.** | **None** |  |
| text- embedding-004 | **Obtain a distributed representation of a text.** | **None** |  |
| aga | **Model trained to return answers to questions that are grounded in ided sources, along with estimating answerable** | **temperature-0.2, top\_p=1.0, k = 40** |  |