

## Model Development Phase Template

Date	13 July 2024
Team ID	SWTID1720089770
Project Title	JobSwift: Accelerating Careers With AI-Powered Application Palm's Text-Bison-001.
Maximum Marks	3 Marks

### Initial Model Training Code, Model Validation and Evaluation Report

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

#### Initial Model Training Code:

```
import google.generativeai as palm

# Example configuration with hyperparameters
def configure_model(api_key):
    palm.configure(api_key=api_key)

def generate_text_with_tuning(prompt, temperature=0.7, max_tokens=100, top_p=0.9):
    model_name = "models/text-bison-001"
    response = palm.generate_text(
        model=model_name,
        prompt=prompt,
        temperature=temperature,
        max_tokens=max_tokens,
        top_p=top_p
    )
    return response.result
```

```
# Function to generate resume
def generate_resume(name, experience, skills, projects, education, awards):
    prompt = f"My name is {name}. I have {experience} years of experience in {skills}."
    prompt += f"\n\nProjects:\n{projects}\n\nEducation:\n{education}\n\nAwards and Recognition:\n{awards}"
    response = palm.generate_text(model=model_name, prompt=prompt)
    return response.result
```

```
# Function to generate cover letter
def generate_cover_letter(company_name, job_title):
    prompt = f"Dear hiring manager,\n\nI am writing to express my interest in the {job_title} position at {company_name}."
    response = palm.generate_text(model=model_name, prompt=prompt)
    return response.result
```

```
# Function to generate interview preparation questions
def generate_interview_questions(skills):
    prompt = f"Interview Preparation Questions Based on Skills: {skills}"
    response = palm.generate_text(model=model_name, prompt=prompt)
    return response.result
```

## Model Validation and Evaluation Report:

Model	Classification Report	F1 Score	Confusion Matrix
Text-bison-001	<pre># Function to generate interview preparation questions def generate_interview_questions(skills):     prompt = f"Interview Preparation Questions Based on Skills: {skills}"     response = palm.generate_text(model=model_name, prompt=prompt)     return response.result</pre>	81%	NIL