

```
import os
```

```
from dotenv import load_dotenv
```

```
from swarm_models.gemini import Gemini
```

```
from swarms.prompts.react import react_prompt
```

```
load_dotenv()
```

```
api_key = os.environ["GEMINI_API_KEY"]
```

```
# Establish the prompt and image
```

```
task = "What is your name"
```

```
img = "images/github-banner-swarms.png"
```

```
# Initialize the model
```

```
model = Gemini(  
    gemini_api_key=api_key,  
    model_name="gemini-pro",  
    max_tokens=1000,  
    system_prompt=react_prompt(task=task),  
    temperature=0.5,  
)
```

```
# Run the model
```

```
out = model.run(  
    "Create the code for a react component that displays a name"  
)  
print(out)
```