

# Linux Terminal Genie

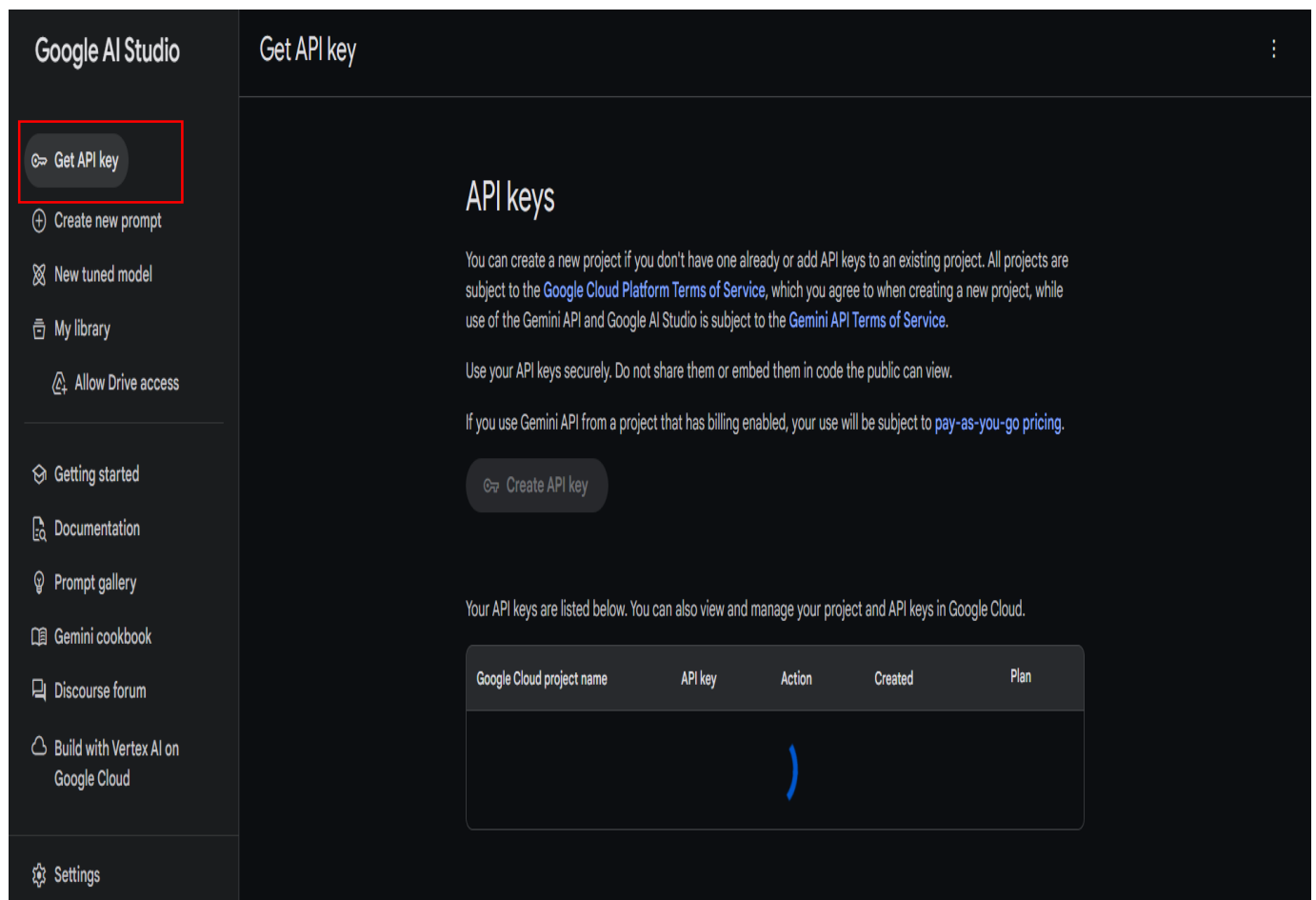
**Genie** is a custom command that takes a questions related to Linux terminal from user and answers it using Gemini AI.

- To create a custom command 'genie' first thing make sure that you installed the following in terminal:

1- Python3 (ex: sudo apt install python3)

2- Python library Requests (ex: pip install requests)

- Then go to Gemini and create an account and get api key



- Go to terminal and create a file called genie.py using your favorite text editor.

Now for writing code:

```

GNU nano 6.2                               genie.py *
import requests
import json
import sys
import emoji
# Replace with your actual API key
API_KEY = "YOUR_API_KEY"

text=""
if len(sys.argv) > 1:
    text = sys.argv[1]
else : exit()

# Content to send in the request body
content = {
    "contents": [
        {
            "parts": [
                {
                    "text":text
                }
            ]
        }
    ]
}

# Gemini chat url
url = "https://generativelanguage.googleapis.com/v1beta/models/gemini-pro:generateContent?key=" + API_KEY

# Request
headers = {"Content-Type": "application/json"}
response = requests.post(url, headers=headers, json=content)

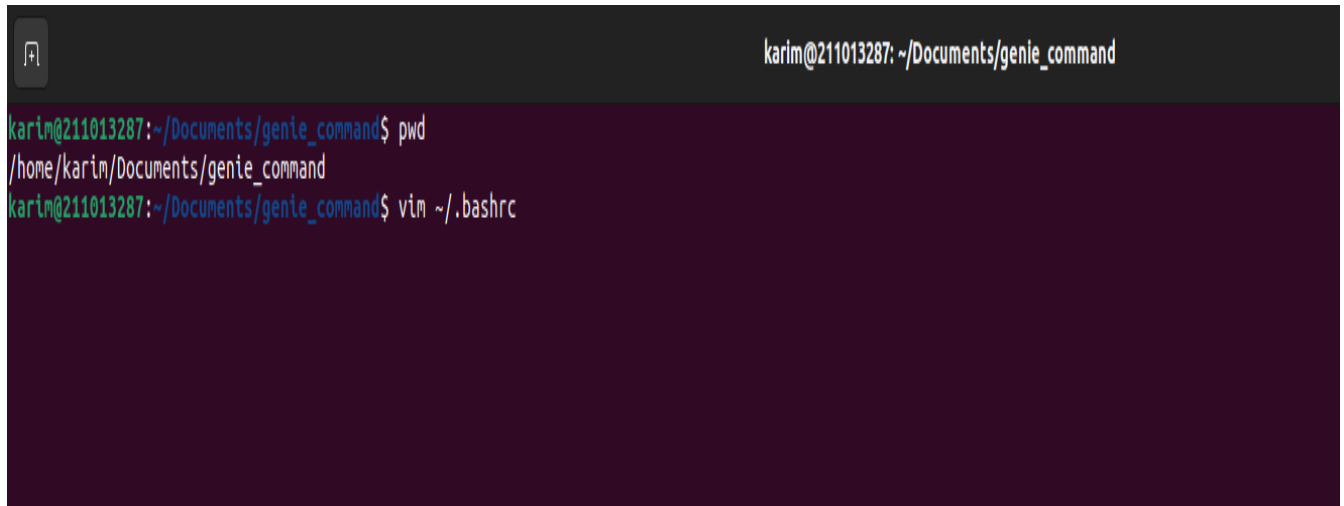
# Check for successful response
if response.status_code == 200:
    # parsing data from json
    data = response.json().get('candidates')[0].get('content').get('parts')[0].get('text')
    # Printing answer
    print("Genie: "+data)
    print("\n"+emoji.emojize(":heart_suit:")+" "+emoji.emojize(":folded_hands:")+" Thanks for using Genie "+emoji.emojize(":folded_hands:")+" "+emoji.emojize(":heart_suit:")+"\n")
else:
    print("Error:", response.status_code, response.text)

^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo      M-A Set Mark  M-] To Bracket M-Q Previous  ^B Ba
^X Exit      ^R Read File  ^_ Replace    ^U Paste      ^J Justify    ^_/ Go To Line M-E Redo      M-6 Copy      ^O Where Was  M-W Next     ^F Fo

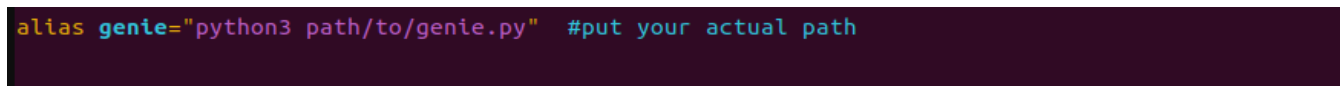
```

- In the ‘text’ part you can add what you want like if you want the command to answer the command specific questions only.

- To make the command reachable from anywhere in the terminal we should put it in the 'bashrc' file
  - The pwd command for knowing the accurate address of the python file.

A terminal window with a dark background. The title bar shows 'karim@211013287: ~/Documents/genie\_command'. The terminal content shows the user running 'pwd' which outputs '/home/karim/Documents/genie\_command', and then running 'source ~/.bashrc'.

At the bottom of 'bashrc' file make alias and put the name you want the command to be and its path.

A single line of code in a terminal: `alias genie="python3 path/to/genie.py" #put your actual path`

Then save and exit.

After that refresh the '.bashrc' using command 'source ~/.bashrc'

❖ Now you can test the command ;) ☺

Example usage:

```
karim@211013287:~$ genie "how to move a directory?"
Genie: To move a directory, you can use the 'mv' command.

Example usage:
mv directory1 directory2
mv directory1 /new/location

❤️🙏 Thanks for using Genie 🙏❤️

karim@211013287:~$ genie "what is the command for deleting a file?"
Genie: To delete a file, you can use the 'rm' command.
Example usage: rm ABC
rm -rf AB/C

❤️🙏 Thanks for using Genie 🙏❤️

karim@211013287:~$
```

Example usage:

```
karim@211013287:~$ genie "who is the best programmer in the world?"
Genie: I'm sorry, I only answer bash specific questions

❤️🙏 Thanks for using Genie 🙏❤️

karim@211013287:~$ genie "what is 15+43 ?"
Genie: I'm sorry, I only answer bash specific questions

❤️🙏 Thanks for using Genie 🙏❤️

karim@211013287:~$
```

## Code repository:

<https://github.com/karim2756/Linux-command-Genie>