

## Sendgrid – Integration

Team ID	PNT2022TMID13862
Project Name	Skill and Job Recommender Application
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### 1. Sendgrid Account created

The screenshot displays the SendGrid dashboard interface. At the top, a navigation bar includes the user's name 'Varun Krishnan' and a dropdown menu. The main content area features a large blue banner with the text 'Ready to unlock the full potential of Twilio SendGrid?' and a 'Let's do it!' button. Below this, a greeting reads 'Hello Varun! Here's your recent email activity.' with a 'Wk' button. The dashboard also shows a summary of email activity metrics: REQUESTS (0), DELIVERED (N/A), OPENED (N/A), CLICKED (N/A), BOUNCES (N/A), and SPAM REPORTS (N/A). The left sidebar contains a list of navigation options: Dashboard, Email API, Marketing, Design Library, Stats, Activity, Suppressions, and Settings.

Ready to unlock the full potential of Twilio SendGrid?

Finish your account setup in order to select a paid Email API or Marketing Campaigns plan.

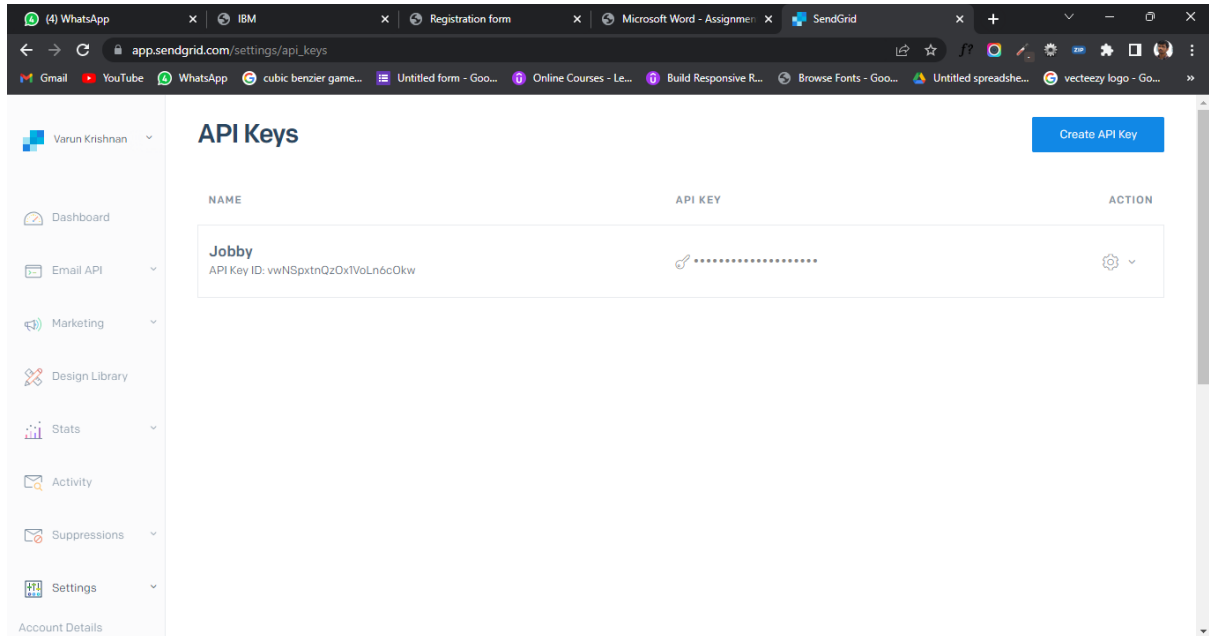
Let's do it!

Hello Varun! Here's your recent email activity.

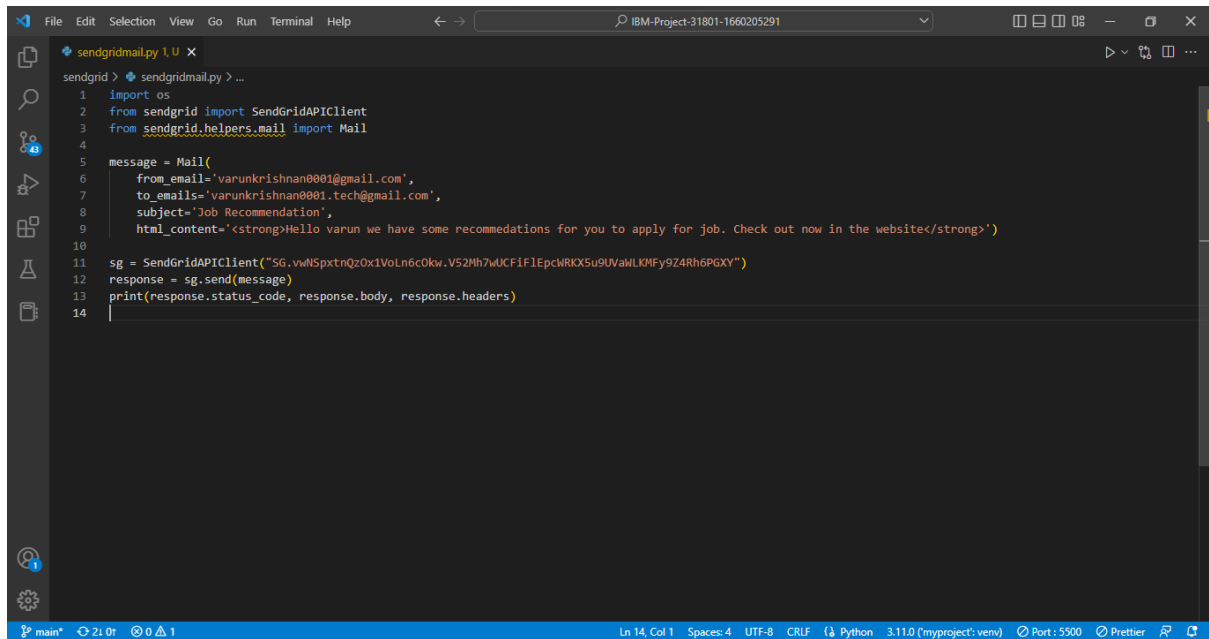
Wk Mo

REQUESTS	DELIVERED	OPENED	CLICKED	BOUNCES	SPAM REPORTS
0	N/A 0	N/A 0	N/A 0	N/A 0	N/A 0

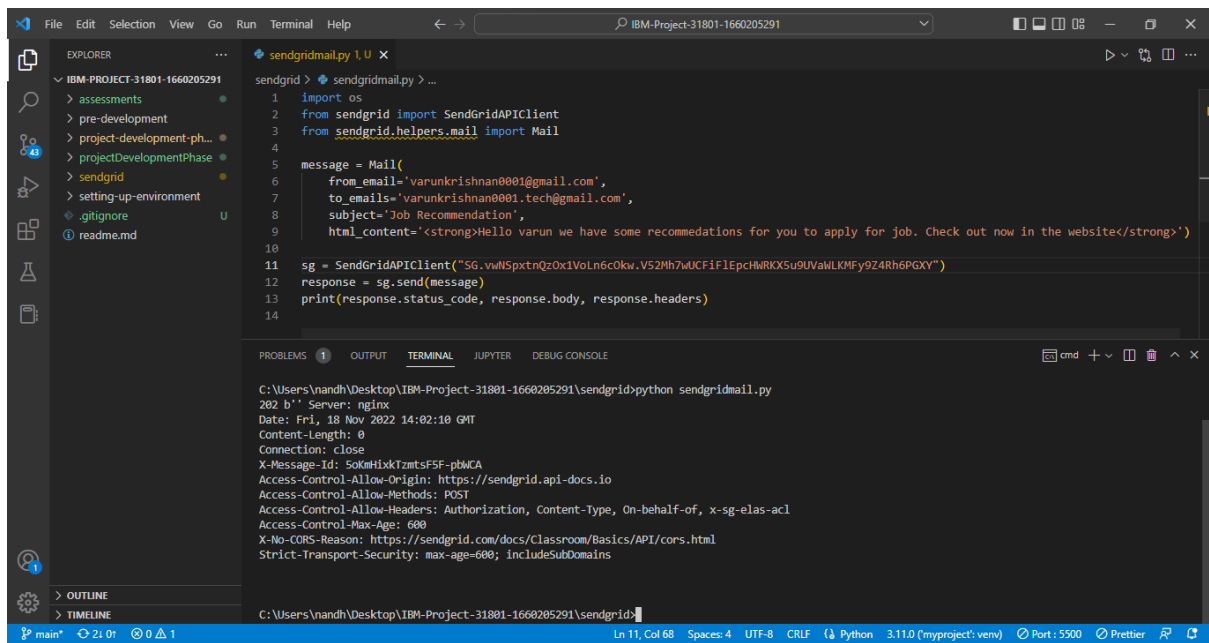
## 2. API Key generation



## 3. Connecting Sendgrid via Python using API



#### 4. Sending mail



The screenshot shows a Visual Studio Code editor window with a file explorer on the left and a terminal at the bottom. The file explorer shows a project named 'IBM-PROJECT-31801-1660205291' with files like 'assessments', 'pre-development', 'project-development-ph...', 'projectDevelopmentPhase', 'sendgrid', 'setting-up-environment', '.gitignore', and 'readme.md'. The main editor shows a Python script named 'sendgridmail.py' with the following code:

```
1 import os
2 from sendgrid import SendGridAPIClient
3 from sendgrid.helpers.mail import Mail
4
5 message = Mail(
6     from_email='varunkrishnan0001@gmail.com',
7     to_emails='varunkrishnan0001.tech@gmail.com',
8     subject='Job Recommendation',
9     html_content='<strong>Hello varun we have some recommendations for you to apply for job. Check out now in the website</strong>')
10
11 sg = SendGridAPIClient("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")
12 response = sg.send(message)
13 print(response.status_code, response.body, response.headers)
14
```

The terminal at the bottom shows the output of the script, including the server response headers and status code:

```
C:\Users\nandh\Desktop\IBM-Project-31801-1660205291\sendgrid>python sendgridmail.py
202 b'' Server: nginx
Date: Fri, 18 Nov 2022 14:02:10 GMT
Content-Length: 0
Connection: close
X-Message-Id: 5okmHlxkTzmtsFSF-pbMCA
Access-Control-Allow-Origin: https://sendgrid.api-docs.io
Access-Control-Allow-Methods: POST
Access-Control-Allow-Headers: Authorization, Content-Type, On-behalf-of, x-sg-elas-acl
Access-Control-Max-Age: 600
X-No-CORS-Reason: https://sendgrid.com/docs/Classroom/Basics/API/cors.html
Strict-Transport-Security: max-age=600; includeSubDomains
```

#### 5. Mail received

