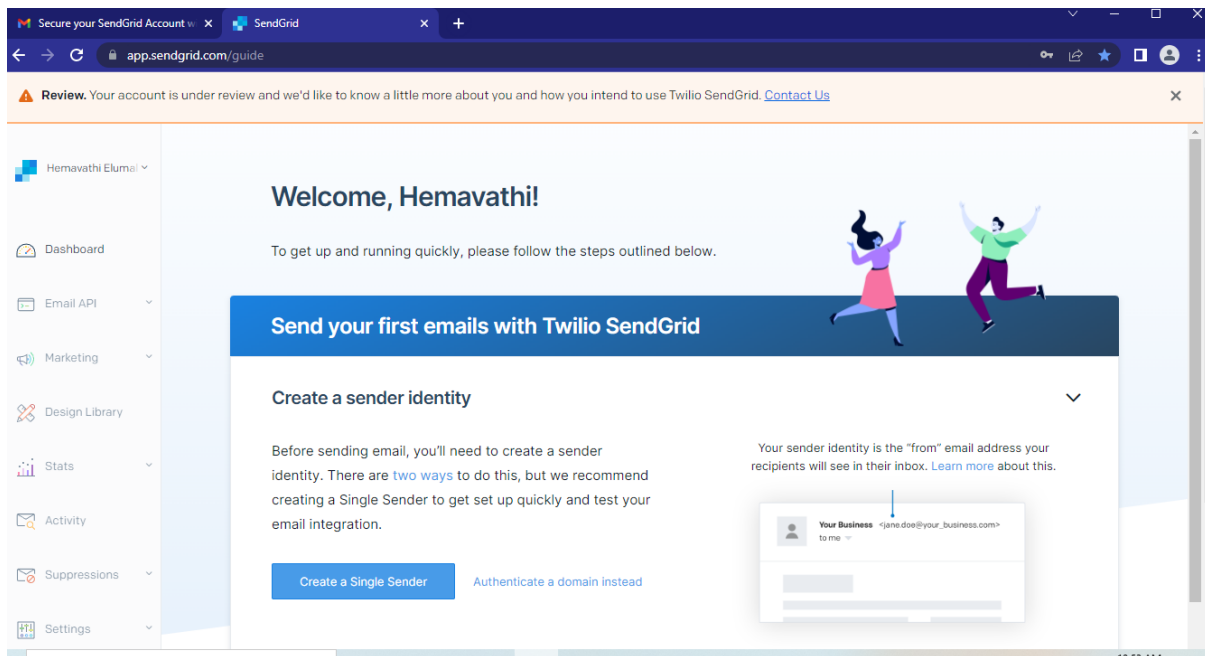


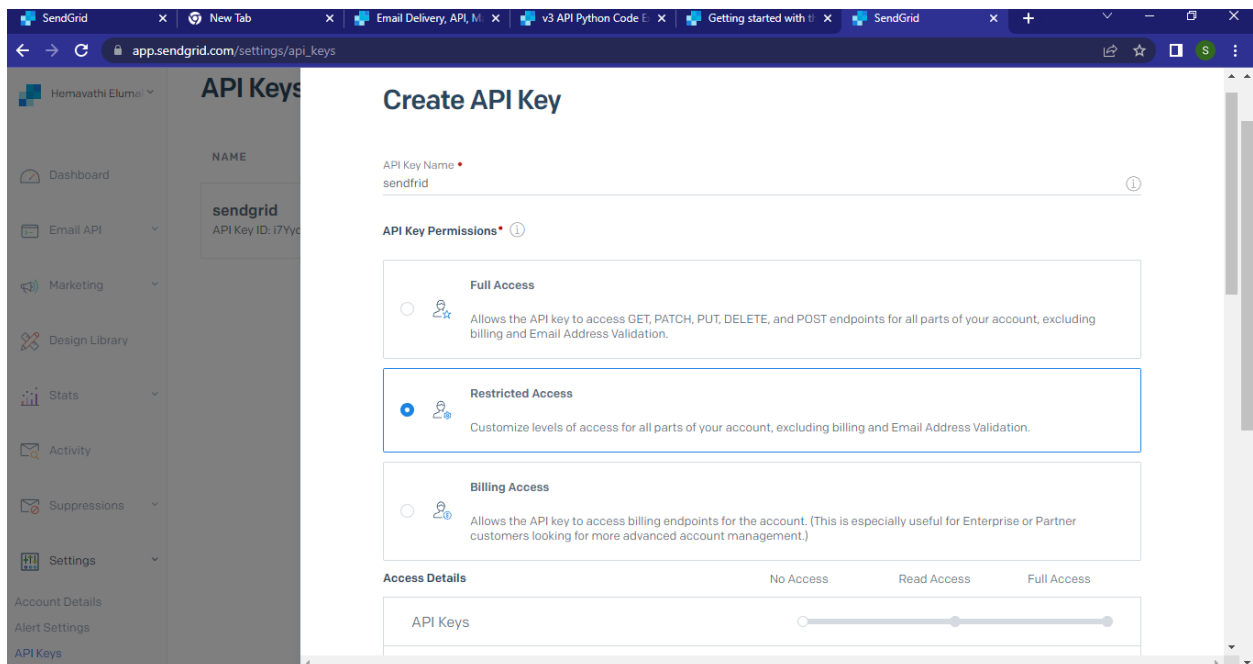
# SENDGRID INTEGRATION

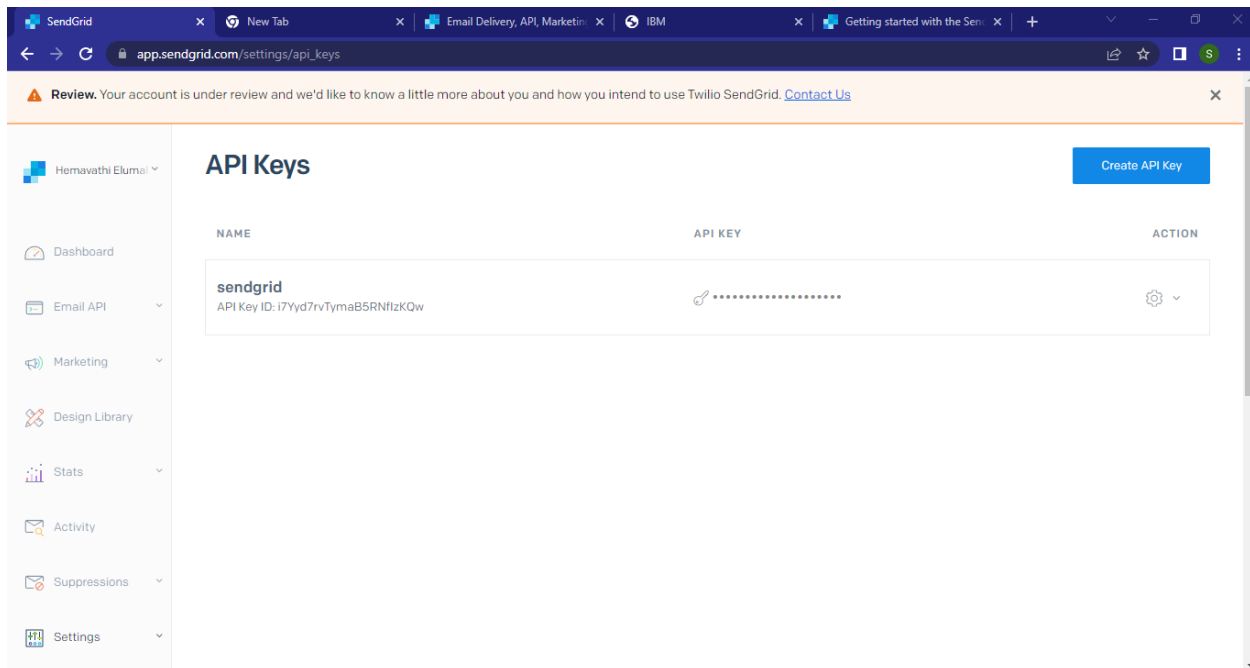
Date	17 November 2022
Team ID	PNT2022TMID40325
Project Name	Smart Fashion Recommender Application

Step 1: create a sendgrid account.



Step 2: Go to settings in sendgrid. Create API key.





Step 3: installing sendgrid in cmd

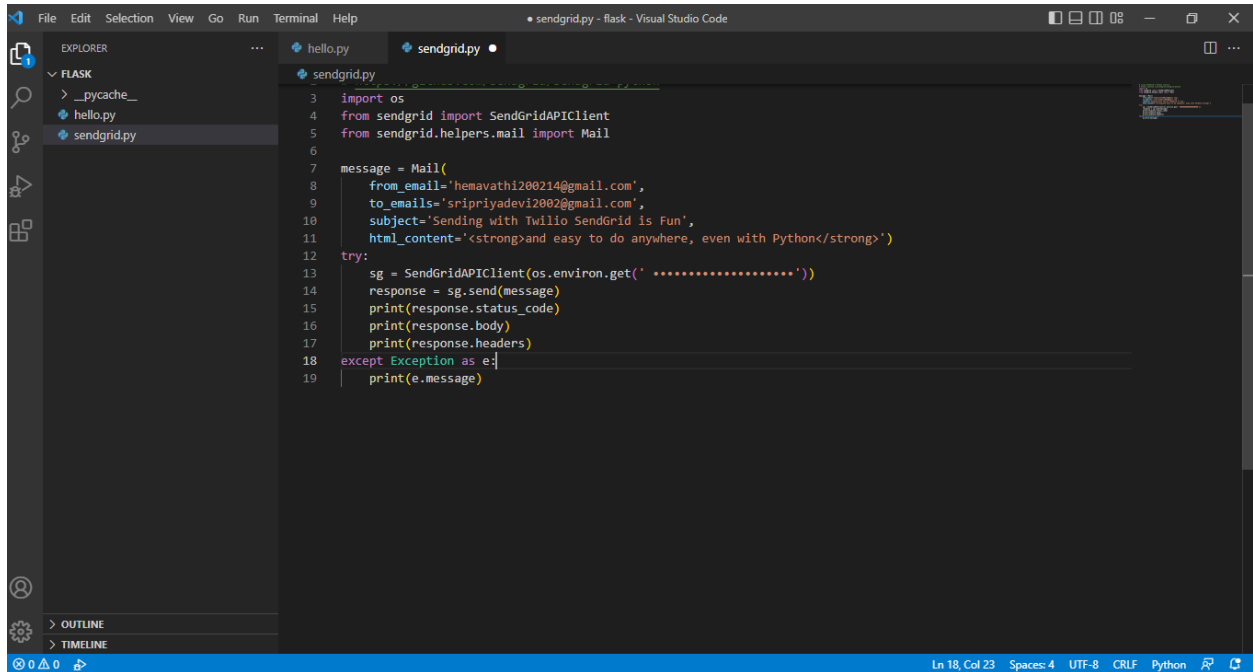
Command like **pip install sendgrid**

```
Command Prompt
Microsoft Windows [Version 10.0.18362.239]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\SUNDAR>pip install sendgrid --no-cache
WARNING: Retrying (Retry(total=4, connect=None, read=None, redirect=None, status=None)) after connection broken by 'Read
TimeoutError("HTTPConnectionPool(host='pypi.org', port=443): Read timed out. (read timeout=15)")': /simple/sendgrid/
WARNING: Retrying (Retry(total=3, connect=None, read=None, redirect=None, status=None)) after connection broken by 'Read
TimeoutError("HTTPConnectionPool(host='pypi.org', port=443): Read timed out. (read timeout=15)")': /simple/sendgrid/
WARNING: Retrying (Retry(total=2, connect=None, read=None, redirect=None, status=None)) after connection broken by 'Read
TimeoutError("HTTPConnectionPool(host='pypi.org', port=443): Read timed out. (read timeout=15)")': /simple/sendgrid/
Collecting sendgrid
  Downloading sendgrid-6.9.7-py3-none-any.whl (101 kB)
----- 101.1/101.1 kB 45.8 kB/s eta 0:00:00
Collecting python-http-client>=3.2.1
  Downloading python_http_client-3.3.7-py3-none-any.whl (8.4 kB)
Collecting starkbank-ecdsa>=2.0.1
  Downloading starkbank-ecdsa-2.2.0.tar.gz (14 kB)
  Preparing metadata (setup.py) ... done
Installing collected packages: starkbank-ecdsa, python-http-client, sendgrid
  DEPRECATION: starkbank-ecdsa is being installed using the legacy 'setup.py install' method, because it does not have a
  'pyproject.toml' and the 'wheel' package is not installed. pip 23.1 will enforce this behaviour change. A possible repl
  acement is to enable the '--use-pep517' option. Discussion can be found at https://github.com/pypa/pip/issues/8559
  Running setup.py install for starkbank-ecdsa ... done
Successfully installed python-http-client-3.3.7 sendgrid-6.9.7 starkbank-ecdsa-2.2.0

C:\Users\SUNDAR>
```

## Step 4: python API to connect sendgrid.



The screenshot shows the Visual Studio Code interface with a Python file named `sendgrid.py` open. The file contains a script to connect to the SendGrid API and send an email. The script imports `os`, `SendGridAPIClient` from `sendgrid`, and `Mail` from `sendgrid.helpers.mail`. It creates a `Mail` object with a from email, to email, subject, and html content. Then, it uses `SendGridAPIClient` to send the message and prints the response details. An exception handler is also present.

```
3 import os
4 from sendgrid import SendGridAPIClient
5 from sendgrid.helpers.mail import Mail
6
7 message = Mail(
8     from_email='hemavathi200214@gmail.com',
9     to_emails='sripriyadevi2002@gmail.com',
10    subject='Sending with Twilio SendGrid is Fun',
11    html_content='<strong>and easy to do anywhere, even with Python</strong>')
12
13 try:
14     sg = SendGridAPIClient(os.environ.get(' *****'))
15     response = sg.send(message)
16     print(response.status_code)
17     print(response.body)
18     print(response.headers)
19 except Exception as e:
20     print(e.message)
```

The status bar at the bottom indicates the current position is Line 18, Column 23, with 4 spaces, UTF-8 encoding, CRLF line endings, and the Python interpreter selected.