SENDGRID INTEGRATION WITH PYTHON CODE
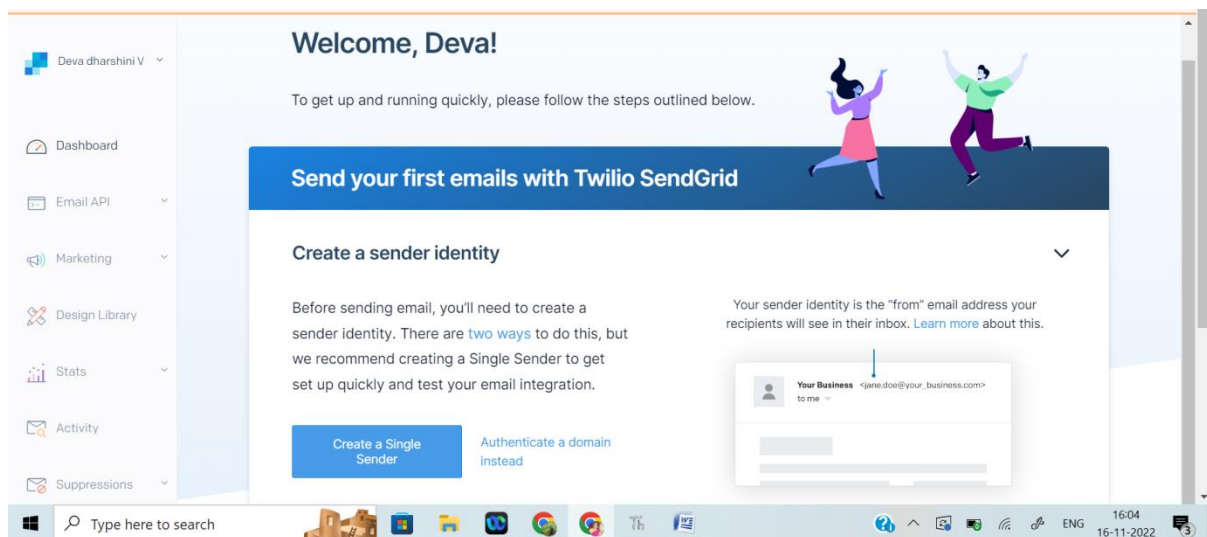
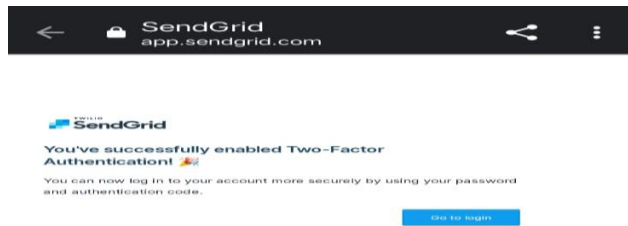| Team ID	PNT2022TMID29529
Project Name	Inventory Mangement Systems for retailers

Steps For Sendgrid Integration With Python Code

- Sign up for a SendGrid account.

- Enable Two-factor authentication

- Create and store a SendGrid API Key with mail Send >Full Acess permissions

- Install Python

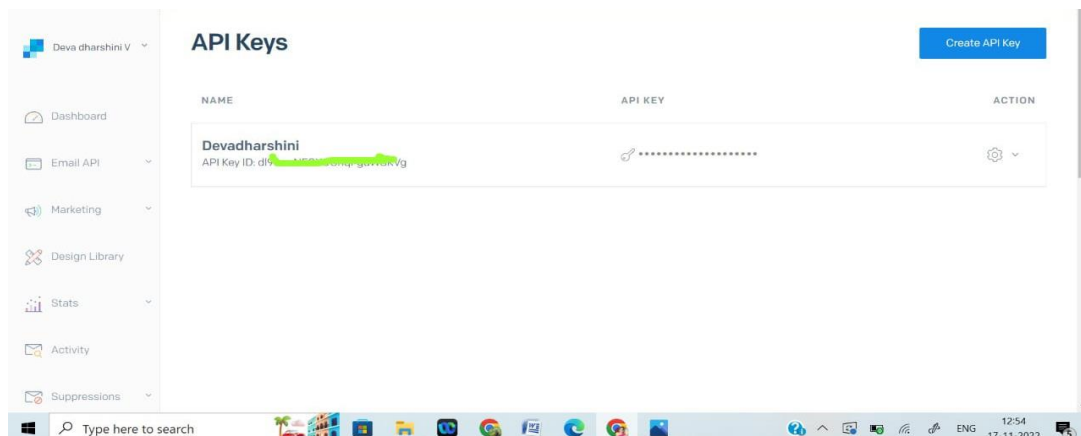## Step 1: Sign up for a SecondGrid account

export SENDGRID_API_KEY=<API Key>

Step 2:Enable Two-Factor Authentication

Step 3: Create API Key

Using a Twilio SendGrid helper library is the fastest way to deliver your first email.

Start by creating a project folder for this app. You can name the project anything you like. We use `sg_quickstart` in the following examples.

```
1   mkdir sg_quickstart
```

Next, navigate into the sg_quickstart directory where you will complete the rest of the tutorial.

```
1   cd sg_quickstart
```

STEP 4:Initialize your project

Initialize your project

The pip package manager was included when you installed Python. You can use pip to install the Twilio SendGrid helper library and save it as a project dependency. If you want to verify that pip is installed, you can type the following into the terminal.

```
1 | pip --version
```

The terminal should print something like the following output.

```
1 | pip 20.1.1 from /usr/locallib/python3.8/site-packages/pip (python 3.8)
```

Step 5 : Install the Helper library

Using SendGrid's Python Library

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

The terminal should print something like.

```
1  Collecting sendgrid
2    Using cached sendgrid-6.4.6-py3-none-any.whl (73 kB)
3  Requirement already satisfied: python-http-client>=3.2.1 in /usr/local/lib/python3
4  Requirement already satisfied: starkbank-ecdsa>=1.0.0 in /usr/local/lib/python3.8/
5  Installing collected packages: sendgrid
6  Successfully installed sendgrid-6.4.6
```