

## Integrating SendGrid Service

### SendGrid Integration With Python Code

<b>Date</b>	24 October 2022
<b>Team ID</b>	PNT2022TMID34417
<b>Project Name</b>	Skill/Job Recommender Application

#### Creating an API Key

The screenshot shows a web browser window with the URL `app.sendgrid.com/settings/api_keys`. The page title is "API Keys". On the left is a sidebar menu with the following items: "anupama r s" (user profile), "Dashboard", "Email API", "Marketing", "Design Library", "Stats", "Activity", "Suppressions", "Settings" (expanded), "Account Details", "Alert Settings", "API Keys" (selected), "Inbound Parse", "IP Access Management", and "IP Addresses". The main content area has a "Create API Key" button in the top right. Below it is a table with the following structure:

NAME	API KEY	ACTION
<b>Job recommender App</b> API Key ID: 7ue7yYhSOazHCX1DB7bbQ	*****	[Edit icon] [Dropdown arrow]

The Windows taskbar at the bottom shows the search bar "Type here to search", several application icons, and system status information including "U: 0.000 MB/s", "D: 0.000 MB/s", "ENG IN", and the date "15-Nov-22".

Enter the python code in visualstudio:

```
import os
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail

message = Mail(
    from_email='from_email@example.com',
    to_emails='to@example.com',
    subject='Sending with Twilio SendGrid is Fun',
    html_content='<strong>and easy to do anywhere, even with Python</strong>')
try:
    sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))
    response = sg.send(message)
    print(response.status_code)
    print(response.body)
    print(response.headers)
except Exception as e:
    print(e.message)
```

**Run the program in the terminal**