

**Integrating SendGrid Service**  
**SendGrid Integration With Python Code**

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Project Name	Nutrition Assistant Application

## Creating an API Key

The screenshot shows the SendGrid web interface for managing API keys. The browser address bar displays `app.sendgrid.com/settings/api_keys`. A light blue banner at the top contains an information icon and the text: "Before sending your first email, you'll need to create a sender identity. [Create a sender identity](#)".

On the left is a sidebar menu with the following items: "Dashboard", "Email API", "Marketing", "Design Library", "Stats", "Activity", "Suppressions", and "Settings".

The main content area is titled "API Keys" and features a blue "Create API Key" button in the top right corner. Below the title is a table with the following structure:

NAME	API KEY	ACTION
API Key ID: D8Y53524SymJBMpNK-oE5w	.....	▾

**Creating a Virtual Environment “Email Test” and creating mail.py file with the following code inside the virtual environment**

```
import sendgrid
import os
from sendgrid.helpers.mail import *

sg = sendgrid.SendGridAPIClient(api_key= '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' )
from_email = Email("arivananthapandian16@gmail.com")
to_email = To("arivananthapandian16@gmail.com")
subject = "test mail"
content = Content("text/plain", "and easy to do anywhere, even with Python")
mail = Mail(from_email, to_email, subject, content)
response = sg.client.mail.send.post(request_body=mail.get())
print(response.status_code)
print(response.body)
print(response.headers)
```

## Test mail received via SendGrid

