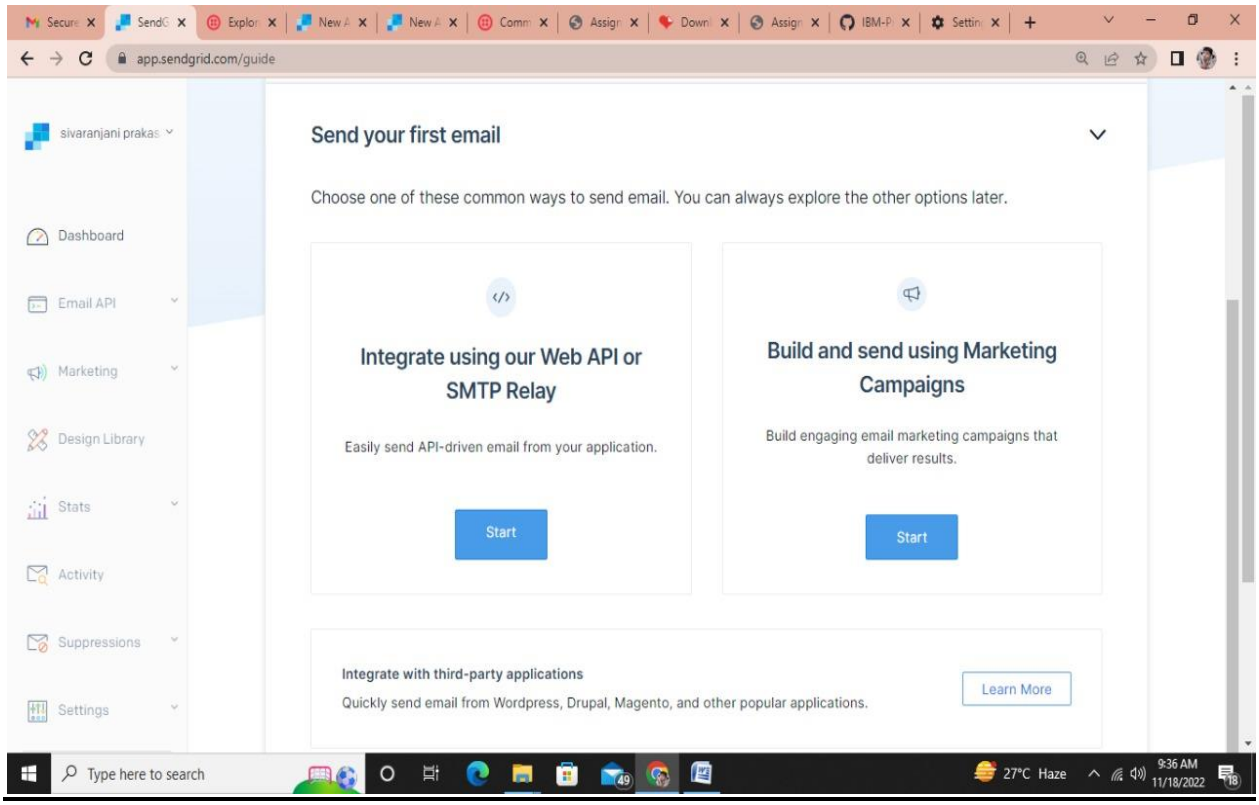
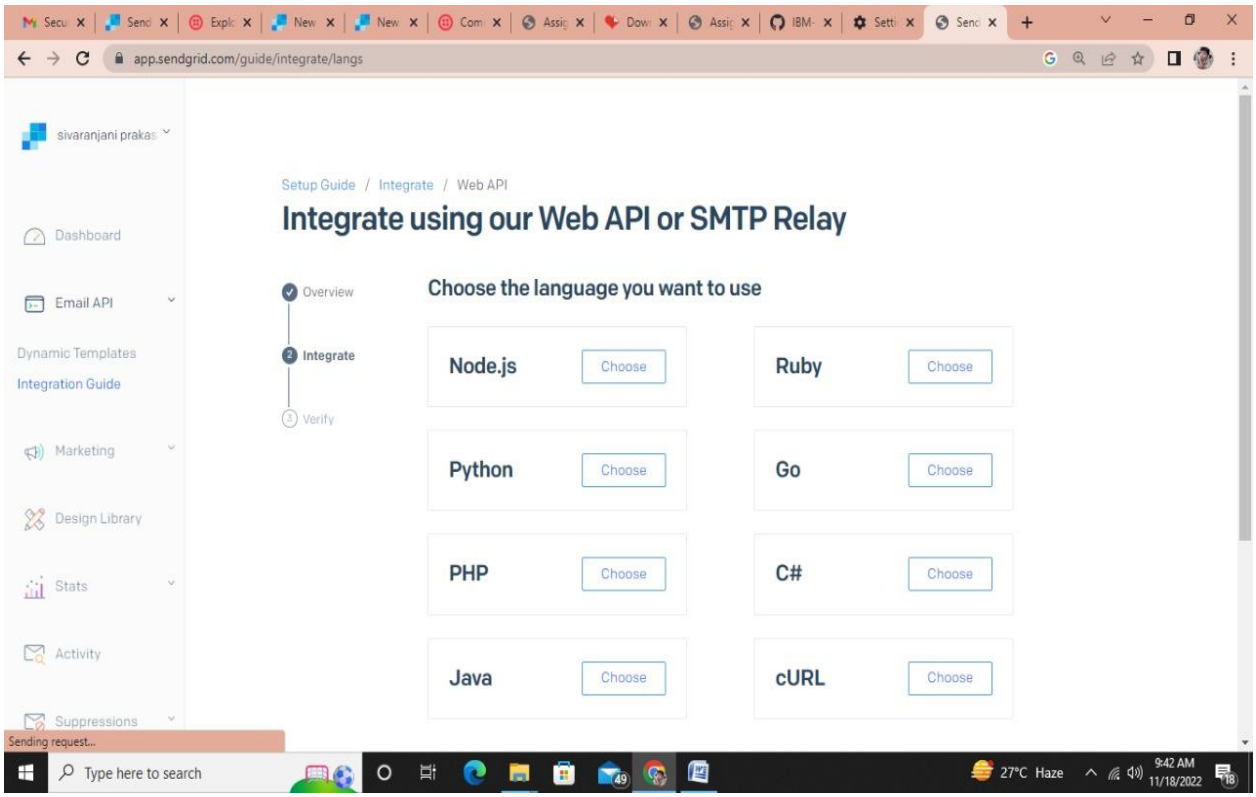
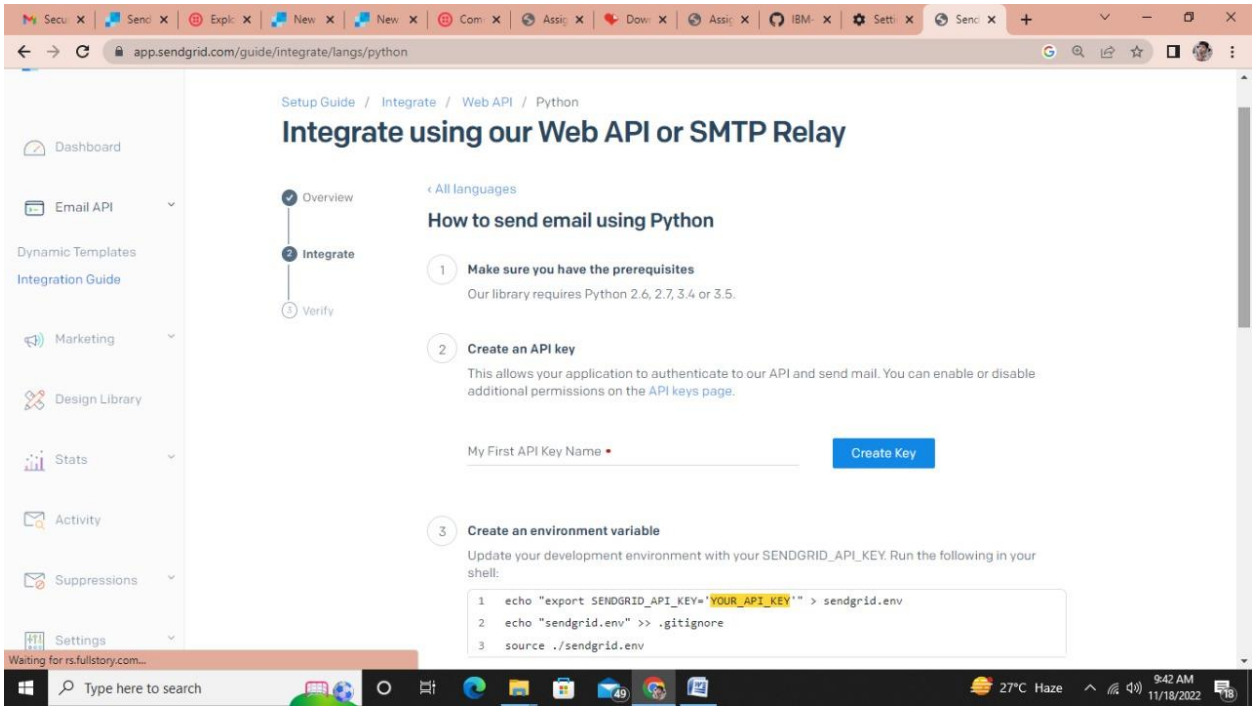
INTEGRATING SENDGRID SERVICE

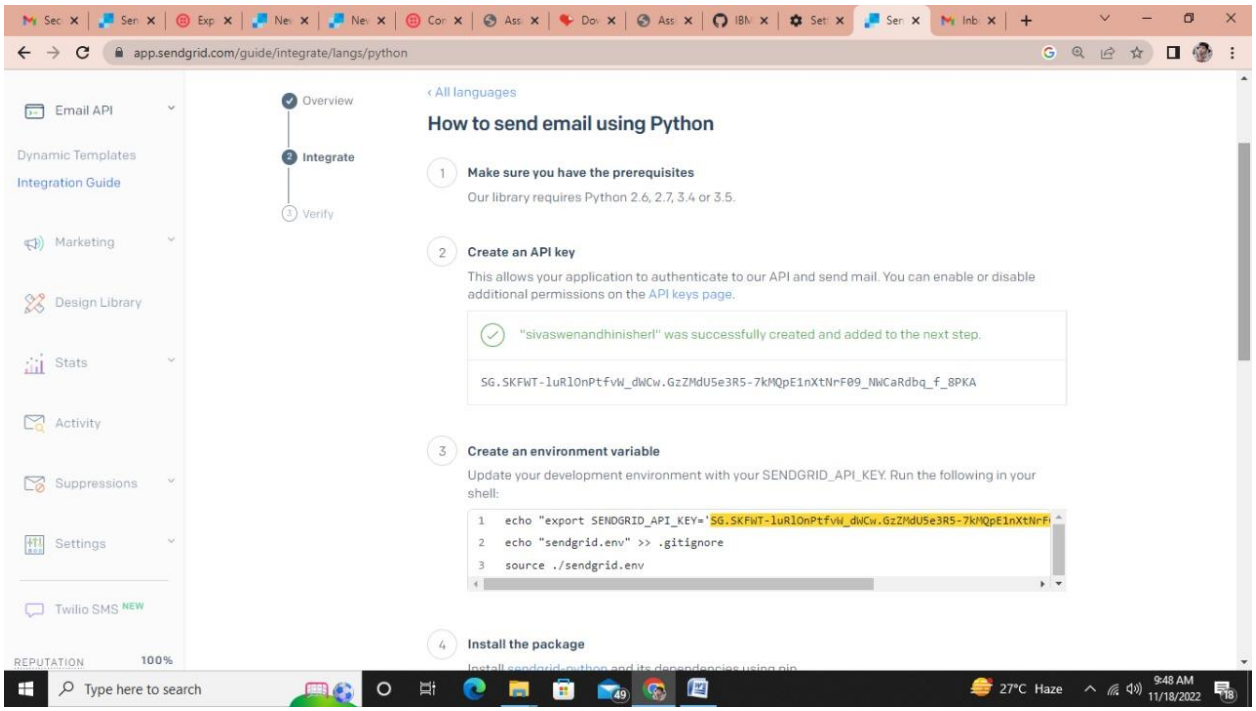
Team ID	PNT2022TMID29840
Project Name	Skill/Job Recommender Application

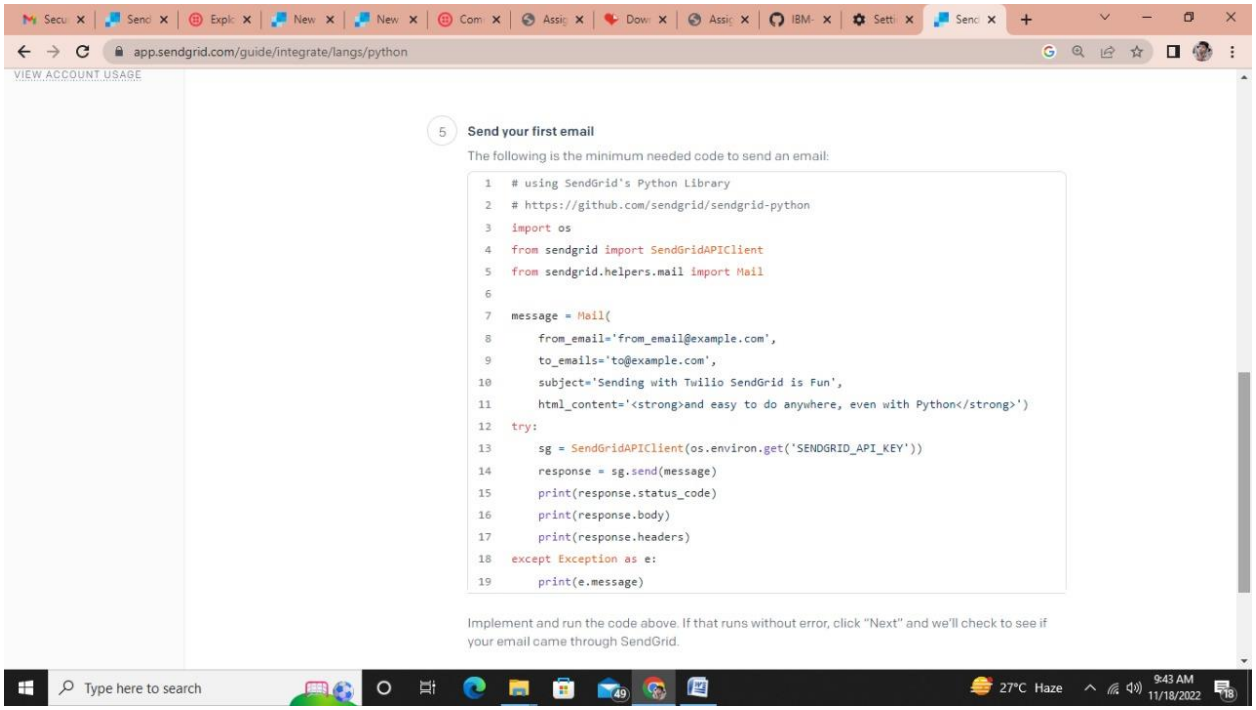
SENDGRID INTEGRATION WITH PYTHON CODE:

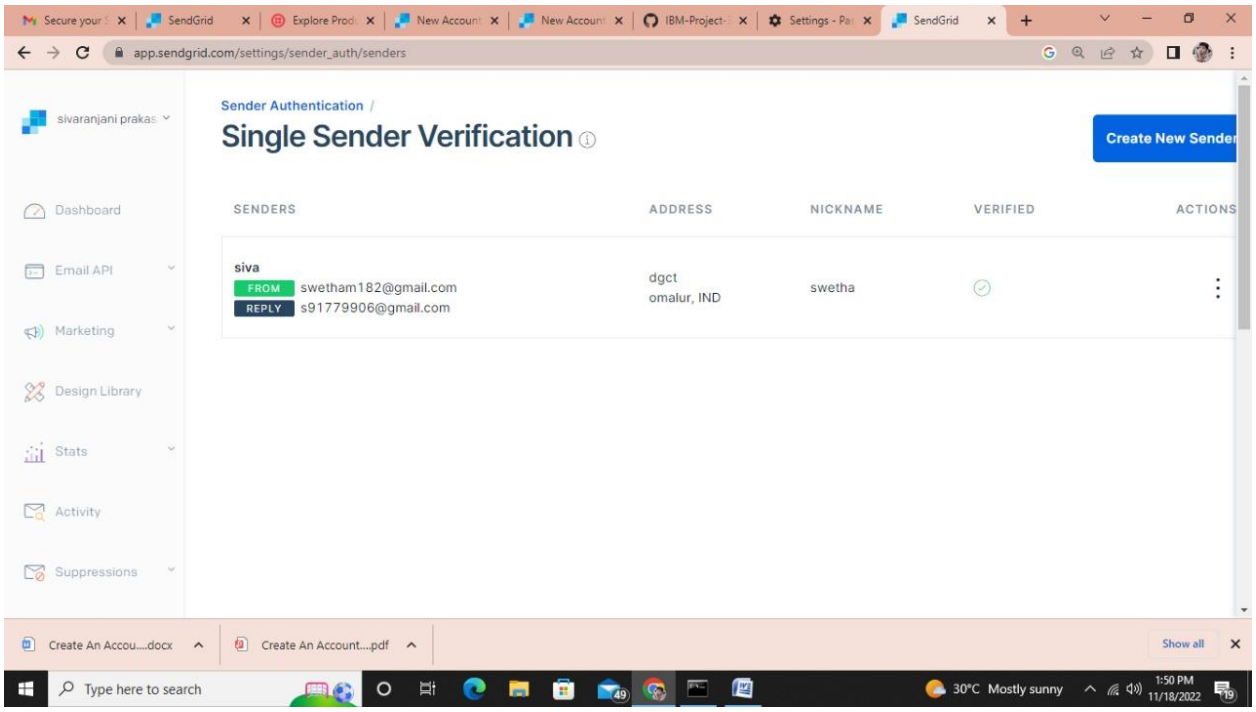


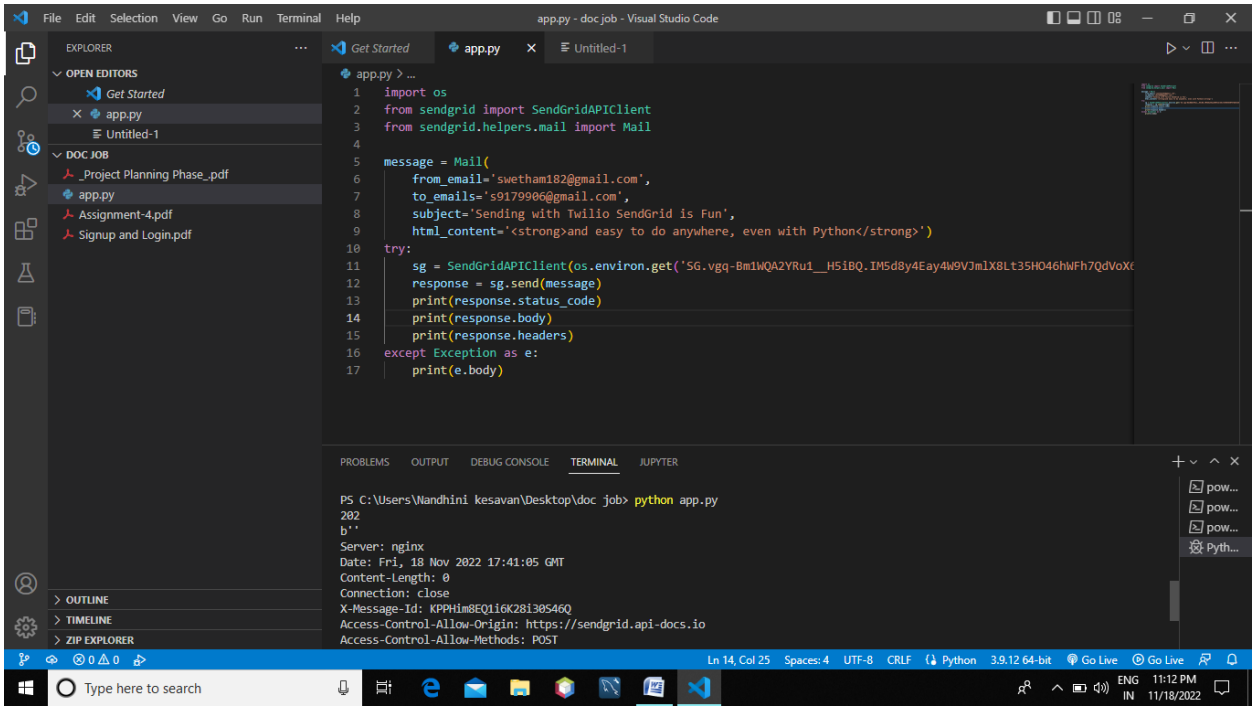

app.sendgrid.com/guide/integrate/langs
sivaranjani prakas
Dashboard
Email API
Dynamic Templates
Integration Guide
Marketing
Design Library
Stats
Activity
Suppressions
Setup Guide / Integrate / Web API
Integrate using our Web API or SMTP Relay
Overview
Integrate
Verify
Choose the language you want to use
Node.js
Choose
Ruby
Choose
Python
Choose
Go
Choose
PHP
Choose
C#
Choose
Java
Choose
cURL
Choose
Sending request...
Type here to search
27°C Haze
9:42 AM
11/18/2022

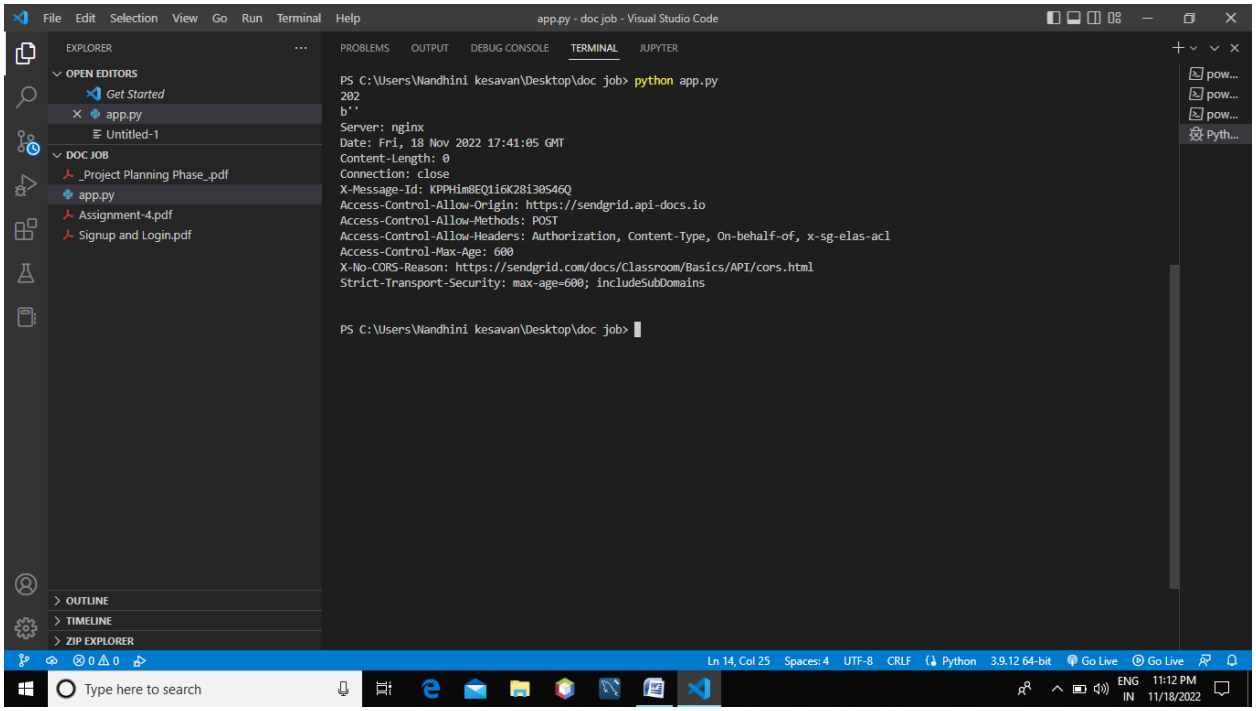

app.sendgrid.com/guide/integrate/langs/python
Dashboard
Email API
Dynamic Templates
Integration Guide
Marketing
Design Library
Stats
Activity
Suppressions
Settings
Setup Guide / Integrate / Web API / Python
Integrate using our Web API or SMTP Relay
Overview
Integrate
Verify
‹ All languages
How to send email using Python
1 Make sure you have the prerequisites
Our library requires Python 2.6, 2.7, 3.4 or 3.5.
2 Create an API key
This allows your application to authenticate to our API and send mail. You can enable or disable additional permissions on the API keys page.
My First API Key Name •
Create Key
3 Create an environment variable
Update your development environment with your SENDGRID_API_KEY. Run the following in your shell:
1 echo "export SENDGRID_API_KEY='YOUR_API_KEY'" > sendgrid.env
2 echo "sendgrid.env" >> .gitignore
3 source ./sendgrid.env
Waiting for rs.fullstory.com...
Type here to search
27°C Haze
9:42 AM
11/18/2022


app.sendgrid.com/guide/integrate/langs/python
Email API
Dynamic Templates
Integration Guide
Marketing
Design Library
Stats
Activity
Suppressions
Settings
Twilio SMS NEW
REPUTATION 100%
Overview
Integrate
Verify
‹ All languages
How to send email using Python
1 Make sure you have the prerequisites
Our library requires Python 2.6, 2.7, 3.4 or 3.5.
2 Create an API key
This allows your application to authenticate to our API and send mail. You can enable or disable additional permissions on the API keys page.
"sivaswenandhinisherl" was successfully created and added to the next step.
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
3 Create an environment variable
Update your development environment with your SENDGRID_API_KEY. Run the following in your shell:
1 echo "export SENDGRID_API_KEY='SG.SKFWT-luRlOnPtfvW_dWCw.GzZMdU5e3R5-7kMQpE1nXtNrF
2 echo "sendgrid.env" >> .gitignore
3 source ./sendgrid.env
4 Install the package
Type here to search
27°C Haze
9:48 AM
11/18/2022


app.sendgrid.com/guide/integrate/langs/python
VIEW ACCOUNT USAGE
5 Send your first email
The following is the minimum needed code to send an email:
# using SendGrid's Python Library
# https://github.com/sendgrid/sendgrid-python
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='and easy to do anywhere, even with Python')
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)
Implement and run the code above. If that runs without error, click "Next" and we'll check to see if your email came through SendGrid.
Type here to search
27°C Haze
9:43 AM
11/18/2022


app.sendgrid.com/settings/sender_auth/senders
sivaranjani prakas
Sender Authentication /
Single Sender Verification
Create New Sender
Dashboard
Email API
Marketing
Design Library
Stats
Activity
Suppressions
SENDERS
ADDRESS
NICKNAME
VERIFIED
ACTIONS
siva
FROM swetham182@gmail.com
REPLY s91779906@gmail.com
dgct
omalur, IND
swetha
Create An Accou....docx
Create An Account....pdf
Show all
Type here to search
30°C Mostly sunny
1:50 PM
11/18/2022


File Edit Selection View Go Run Terminal Help
app.py - doc job - Visual Studio Code
EXPLORER
OPEN EDITORS
Get Started
app.py
Untitled-1
DOC JOB
Project Planning Phase.pdf
app.py
Assignment-4.pdf
Signup and Login.pdf
import os
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail
message = Mail(
from_email='swetham182@gmail.com',
to_emails='s9179906@gmail.com',
subject='Sending with Twilio SendGrid is Fun',
html_content='and easy to do anywhere, even with Python')
try:
sg = SendGridAPIClient(os.environ.get('SG.vgq-Bm1WQA2YRu1__H5iBQ.IM5d8y4Eay4W9VJmlX8Lt35HO46hWFh7QdVoX
response = sg.send(message)
print(response.status_code)
print(response.body)
print(response.headers)
except Exception as e:
print(e.body)
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
PS C:\Users\Nandhini kesavan\Desktop\doc job> python app.py
202
b''
Server: nginx
Date: Fri, 18 Nov 2022 17:41:05 GMT
Content-Length: 0
Connection: close
X-Message-Id: KPPHim8EQ1i6K28i30S46Q
Access-Control-Allow-Origin: https://sendgrid.api-docs.io
Access-Control-Allow-Methods: POST
OUTLINE
TIMELINE
ZIP EXPLORER
Ln 14, Col 25 Spaces: 4 UTF-8 CRLF Python 3.9.12 64-bit Go Live
Type here to search
ENG IN
11:12 PM
11/18/2022


File Edit Selection View Go Run Terminal Help
app.py - doc job - Visual Studio Code
EXPLORER
OPEN EDITORS
Get Started
app.py
Untitled-1
DOC JOB
Project Planning Phase.pdf
app.py
Assignment-4.pdf
Signup and Login.pdf
OUTLINE
TIMELINE
ZIP EXPLORER
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
PS C:\Users\Nandhini kesavan\Desktop\doc job> python app.py
202
b''
Server: nginx
Date: Fri, 18 Nov 2022 17:41:05 GMT
Content-Length: 0
Connection: close
X-Message-Id: KPPHim8EQ1i6K28i30S46Q
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
PS C:\Users\Nandhini kesavan\Desktop\doc job>
pow...
pow...
pow...
Pyth...
Ln 14, Col 25 Spaces: 4 UTF-8 CRLF Python 3.9.12 64-bit Go Live Go Live
Type here to search
ENG IN 11:12 PM 11/18/2022