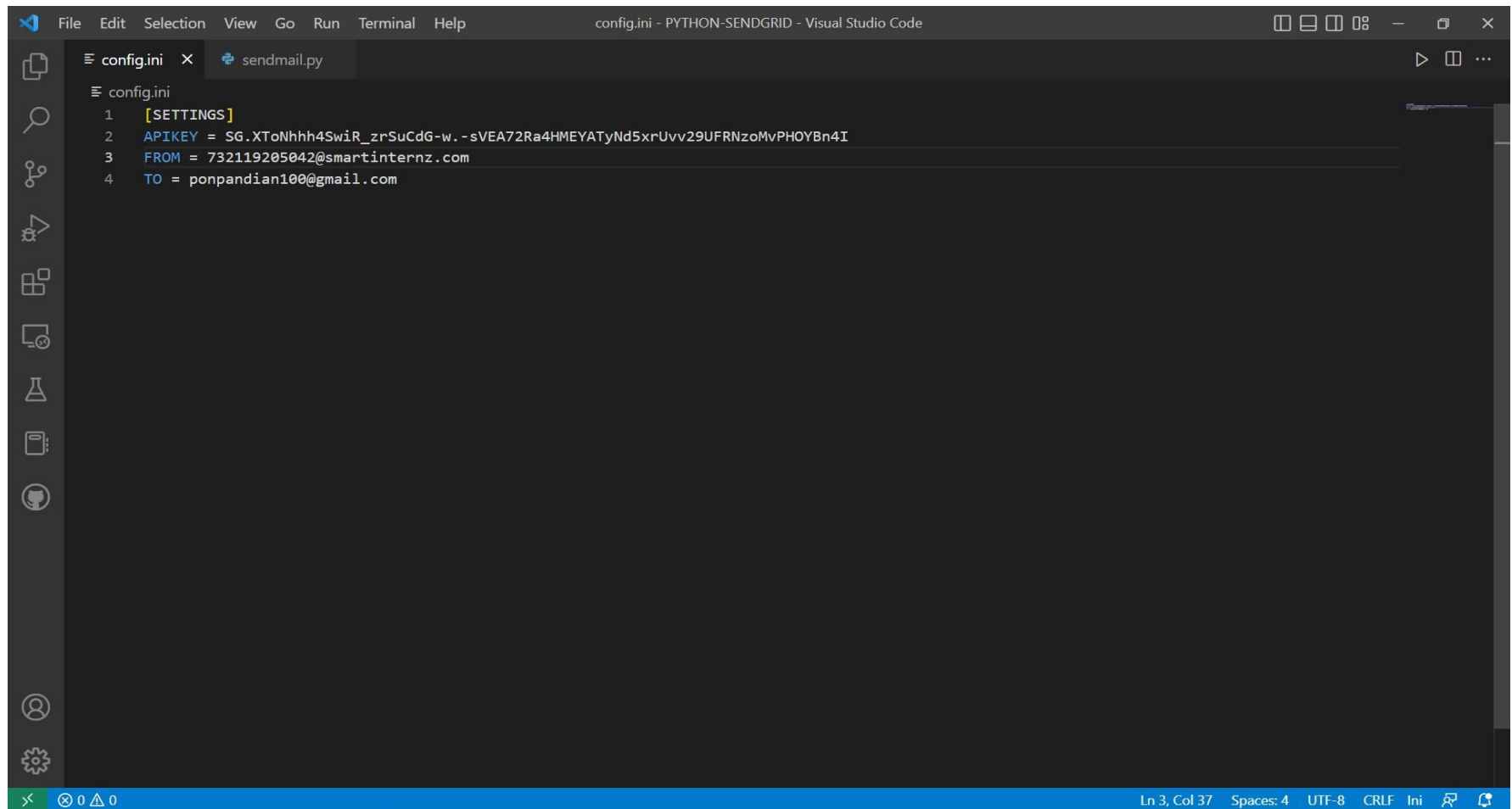


Project Development Phase

Date	02 November 2022
Team ID	PNT2022TMID03714
Project Name	Skill / Job Recommender Application

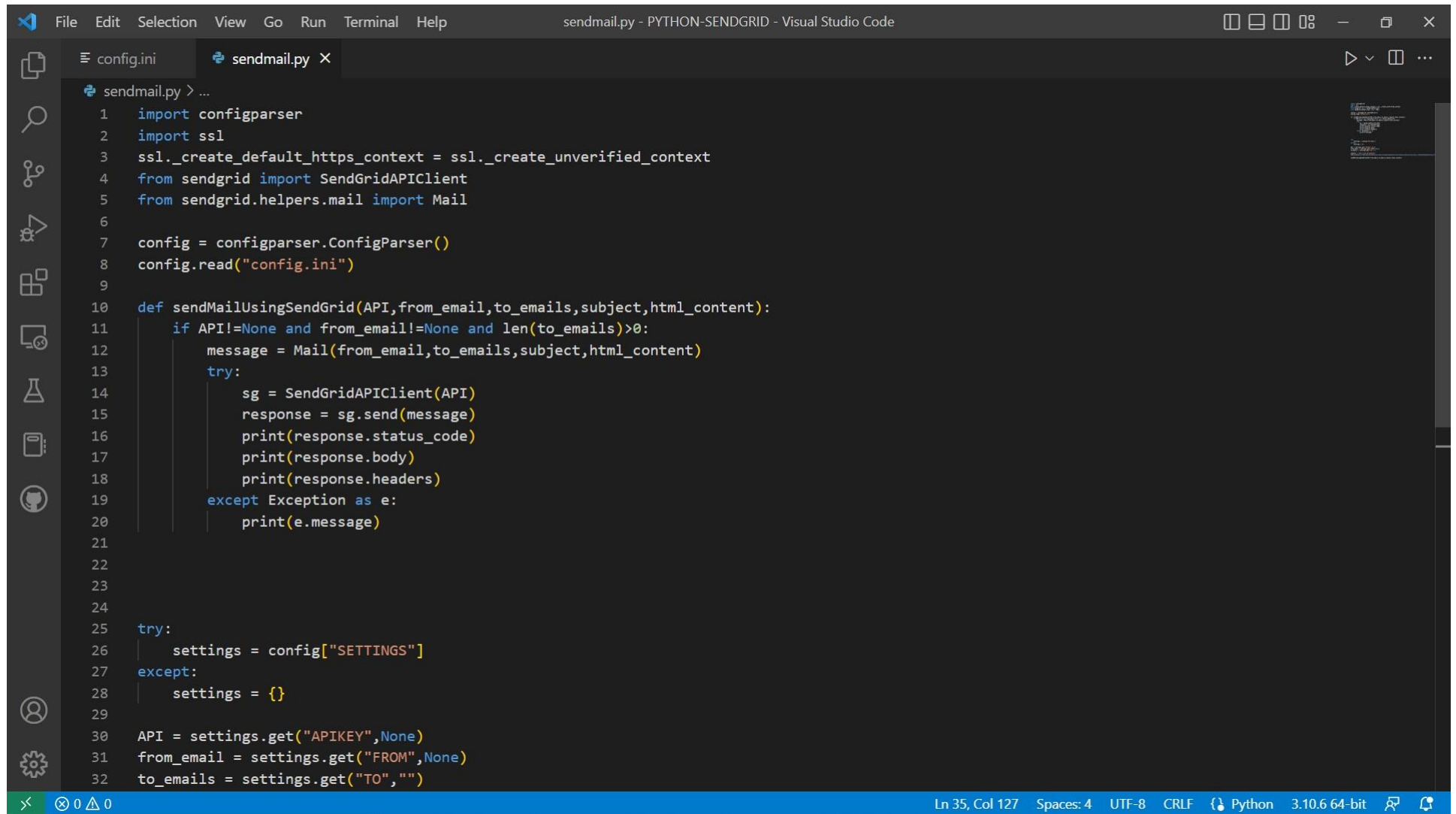
SENDGRID INTEGRATION WITH PYTHON CODE:



The screenshot shows the Visual Studio Code editor interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar indicates the current file is 'config.ini - PYTHON-SENDGRID - Visual Studio Code'. The left sidebar shows the Explorer view with a file named 'config.ini' selected. The main editor area displays the contents of 'config.ini' with the following code:

```
1 [SETTINGS]
2 APIKEY = 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
3 FROM = 732119205042@smartinternz.com
4 TO = ponpandian100@gmail.com
```

The status bar at the bottom shows the current cursor position as 'Ln 3, Col 37', the number of spaces as 'Spaces: 4', the encoding as 'UTF-8', the line ending as 'CRLF', and the file type as 'Ini'.



The image shows a Visual Studio Code editor window with the title bar "sendmail.py - PYTHON-SENDGRID - Visual Studio Code". The editor has two tabs open: "config.ini" and "sendmail.py". The "sendmail.py" tab is active, showing a Python script. The script imports the "configparser" and "ssl" modules, sets up an SSL context, and imports "SendGridAPIClient" and "Mail" from the "sendgrid" package. It then creates a "ConfigParser" object and reads the "config.ini" file. A function "sendMailUsingSendGrid" is defined, which takes "API", "from_email", "to_emails", "subject", and "html_content" as arguments. Inside this function, there is a conditional check for the API key and email list, followed by a try-except block that attempts to send an email using the "SendGridAPIClient". Finally, the script reads settings from the "config.ini" file and initializes the "API", "from_email", and "to_emails" variables based on the settings.

```
1 import configparser
2 import ssl
3 ssl._create_default_https_context = ssl._create_unverified_context
4 from sendgrid import SendGridAPIClient
5 from sendgrid.helpers.mail import Mail
6
7 config = configparser.ConfigParser()
8 config.read("config.ini")
9
10 def sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content):
11     if API!=None and from_email!=None and len(to_emails)>0:
12         message = Mail(from_email,to_emails,subject,html_content)
13         try:
14             sg = SendGridAPIClient(API)
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)
21
22
23
24
25 try:
26     settings = config["SETTINGS"]
27 except:
28     settings = {}
29
30 API = settings.get("APIKEY",None)
31 from_email = settings.get("FROM",None)
32 to_emails = settings.get("TO","")
```

Ln 35, Col 127 Spaces: 4 UTF-8 CRLF Python 3.10.6 64-bit

Visual Studio Code interface showing a Python script named `sendmail.py` and its execution output in the terminal.

File Explorer: `config.ini`, `sendmail.py`

Code Editor:

```
31 from_email = settings.get("FROM",None)
32 to_emails = settings.get("TO","")
33
34 subject = "Skill/Job Recommender"
35 html_content = "Message Successfully send through SendGrid with Python code by the Team : PNT2022TMID32271 our Project Name is Job /Skill R
36
37 sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content)]
```

Terminal:

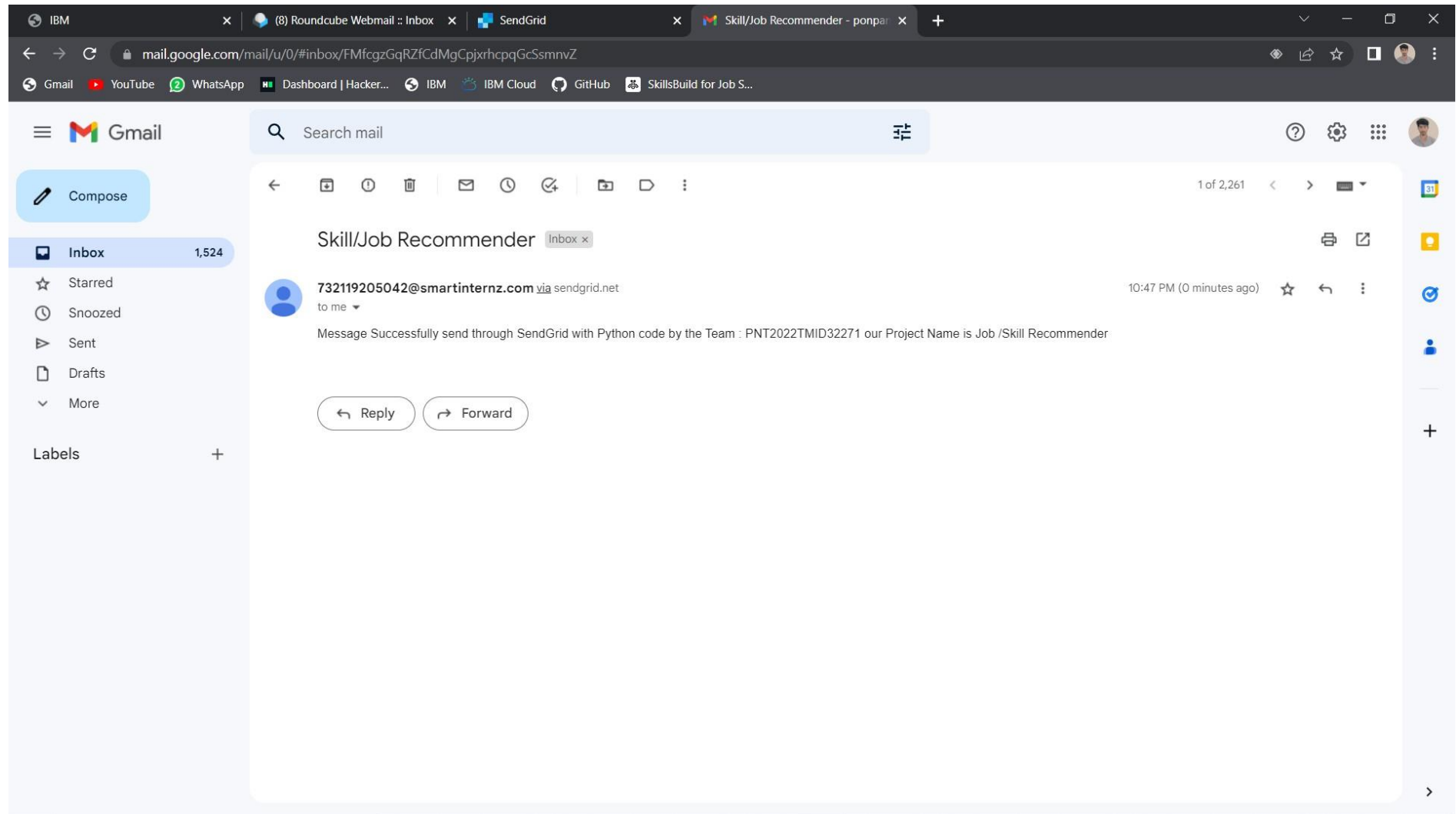
```
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS D:\PYTHON-SENDGRID> python -u "d:\PYTHON-SENDGRID\sendmail.py"
202
b''
Server: nginx
Date: Mon, 14 Nov 2022 17:17:15 GMT
Content-Length: 0
Connection: close
X-Message-Id: GE8Zmai8RRct205iEOYEzg
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 D:\PYTHON-SENDGRID>
```

Status Bar: Ln 37, Col 69 | Spaces: 4 | UTF-8 | CRLF | Python 3.10.6 64-bit

EMAIL FROM SENDGRID:



BUILDING A CHATBOT:

IBM

IBM Watson Service Page

IBM Watson Assistant

WhatsApp

Inbox (1,520) - ponpandian

Home - PSSL Jobs

au-syd.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2F3ce22774e157473a8012861e752bc87c%3Ae04f8ce2-317d-45fe-ae1c-e0a831150e9b...

GmailYouTubeWhatsAppDashboard | Hacker...IBMIBM CloudGitHubSkillsBuild for Job S...

IBM Watson Assistant LiteUpgradeJob Bot ▼Learning center

Actions

Actions

Created by you

Set by assistant

Variables

Created by you

Set by assistant

Set by integration

Saved responses

Name	Last edited	Examples Count	Status	
Company Branches	2 hours ago	1	✓	⋮
Company Information	2 hours ago	1	✓	⋮
Hi	2 hours ago	2	✓	⋮
Users Feedback	2 hours ago	1	✓	⋮
Company Laneline Number	2 hours ago	1	✓	⋮

Items per page: 50 ▼Showing 1–5 of 5 actions1 ▼1 of 1 pages◀▶

Preview▶

Hi

Customer starts with:

Hi

Conversation steps

1

How can I help you?

Company Inf...

Company Lan...

+ 2

Continue to next step

2

1 is Company Branches

Enter your Location.

Free text

Go to action: Company Branches

3

1 is Company Information

Enter your location.

Free text

Go to action: Company Informa...

1

is Company Laneline Number

New step +

Customer starts with:

Enter phrases that a customer types or says to start the conversation about a specific topic. These phrases determine the task, problem, or question your customer has.

The more phrases you enter, the better your assistant can recognize what the customer wants.

Enter phrases your customer might use to start this action

Total: 2

Enter a phrase

.

Hi

Preview

Greet customer [default]

Welcome, This is Job Assistant. How can I help you?
(Say Hi to chat)

Type something...