

communication.py

```

1  import smtplib
2  from email.message import EmailMessage
3  from twilio.rest import Client
4  import os
5  from dotenv import load_dotenv
6  load_dotenv()
7
8  # account_sid = os.getenv("TWILIO_SID")
9  # auth_token = os.getenv("TWILIO_TOKEN")
10
11
12 # --- EMAIL FUNCTION ---
13 def send_email_receipt(to_email, subject, body, attachment_path=None):
14     msg = EmailMessage()
15     msg["Subject"] = subject
16     msg["From"] = "jagdevsinghdosanjh@gmail.com"
17     msg["To"] = to_email
18     msg.set_content(body)
19
20     if attachment_path and os.path.exists(attachment_path):
21         with open(attachment_path, "rb") as f:
22             file_data = f.read()
23             file_name = os.path.basename(attachment_path)
24             msg.add_attachment(file_data, maintype="application",
25                               subtype="pdf", filename=file_name)
26
27     try:
28         with smtplib.SMTP_SSL("smtp.gmail.com", 465) as smtp:
29             smtp.login("jagdevsinghdosanjh@gmail.com", "smartscienceai") #
30             smtp.send_message(msg)
31             return True
32     except Exception as e:
33         print(f"[Email Error] {e}")
34         return False
35
36 # --- SMS FUNCTION ---
37 def send_sms(to_number, message):
38     try:
39         account_sid = os.getenv("TWILIO_SID") # Use environment
40         auth_token = os.getenv("TWILIO_TOKEN")
41         client = Client(account_sid, auth_token)

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41         client.messages.create(  
42             body=message,  
43             from_="+1234567890", # Replace with your Twilio number  
44             to=to_number  
45         )  
46         return True  
47     except Exception as e:  
48         print(f"[SMS Error] {e}")  
49         return False  
50  
51
```