# **Automated Job Application Email Sender**

# **Project Overview**

This project automates the process of sending personalized job application emails with resume attachments using contact information from an Excel file. It is a time-saving tool designed for job seekers or recruiters who need to reach out to multiple contacts efficiently.

#### **Features**

- Reads contact data (Name, Email, Title, Company) from an Excel file
- Attaches a resume (PDF) to each email
- Sends personalized emails using smtplib and MIME
- Tracks which emails have been sent by updating a Status column
- Customizable message content with placeholders
- Skips already-contacted emails
- Simple to modify or extend

#### **Skills Demonstrated**

- Python scripting
- Data processing with pandas
- SMTP protocol for email sending
- MIME multipart email formatting
- File I/O and error handling
- Real-world automation and productivity scripting

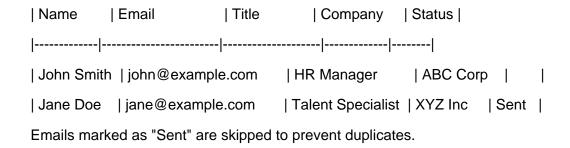
#### **File Structure**

project\_folder/

# **Automated Job Application Email Sender**

resume.pdf # Your resume to attach
contacts.xlsx # Excel sheet with contact info
email\_sender.py # Main Python script

## **Excel Format (contacts.xlsx)**



#### How to Run

Install dependencies:
 pip install pandas openpyxl

- 2. Update the script:
  - Add your Gmail and app password
  - Adjust the email content if needed
- 3. Run the script:

python email\_sender.py

#### **Security Note**

Do NOT hardcode your email password! Use environment variables or a .env file with python-dotenv for secure credential management.

# **Future Improvements**

# **Automated Job Application Email Sender**

- Add HTML-formatted emails
- Use dynamic resumes per contact
- Track logs and errors in a .log file
- Build a GUI (with Streamlit or Tkinter)
- Add command-line arguments (via argparse)
- Integrate with Gmail API for safer OAuth handling

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