

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)

Name	Email	Title	Company	Status
John Smith	john@example.com	HR Manager	ABC Corp	
Jane Doe	jane@example.com	Talent Specialist	XYZ Inc	Sent

Emails marked as "Sent" are skipped to prevent duplicates.

How to Run

1. 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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