

Telegram Bot for Sending Media Files

Automating file sharing (Docs,
Images, Audio, Videos) with Python
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Introduction

- . Telegram is one of the most popular messaging platforms.
- . Telegram Bots help in automating tasks.
- . Objective of this project: **Send different types of files automatically to user**

Tools & Technologies

- . **Python** (requests, threading, dotenv)

- . **Telegram Bot API**

- . **Environment Variables (dotenv)**

- . **IDE – VS Code**

Project Features

- . Send Documents (PDF, DOCX)
- . Send Images (JPG, PNG)
- . Send Audio (MP3, WAV)
- . Send Videos (MP4, AVI)
- . Multi-user support with Chat IDs
- . Threading for parallel sending

Workflow

. User starts the bot → Bot stores **Chat ID**.

. Python script loads **Bot Token** from `.env`.

, Based on file type (photo, audio, doc, video) → Send API request.

. Bot delivers file to users.

. Flow:

User → Bot → API → Telegram Chat

Code Snippets

```
# Send document to user
def send_document(chat_id, file_path):
    url =
    f"https://api.telegram.org/bot{TOKEN}/sendDocum
    ent"
    files = {'document': open(file_path, 'rb')}
    requests.post(url, files=files, data={'chat_id':
    chat_id})
```

Example 1: Sending Documents

Example 2: Sending Images

Example 3: Sending Audio

Example 4: Sending Videos

Code sample for docs and its similar for video, audio and picture

Output

- . Screenshot of bot sending **PDF**
- . Screenshot of bot sending **Image**
- . Screenshot of bot sending **Audio**
- . Screenshot of bot sending **Video**

Applications

- . Distributing study material (PDFs, Notes).
- . Sharing media files automatically (Songs, Podcasts).
- . Sending reports in companies.
- . Broadcast system for schools, colleges.

Future Scope

- . Add **automatic replies**.
- . Schedule file sending at specific time.
- . Connect with **Databases** for personalized messages.
- . Deploy bot on **server/cloud** for 24×7 working.

Conclusion

- . Implemented a simple yet powerful **Telegram Media Bot**.
- . Learnt usage of **Telegram API + Python**.
- . This project can be extended for **automation and broadcasting**.