

## Google Calendar → Google Sheets Automation

This project demonstrates how to integrate Google Calendar API with Google Sheets API using Python.

The script connects securely with a Service Account, fetches events from a Google Calendar, and writes them automatically into a Google Sheet in a structured format.

### Technologies Used

- Python
- Google Calendar API
- Google Sheets API (gspread library)
- Service Accounts for authentication

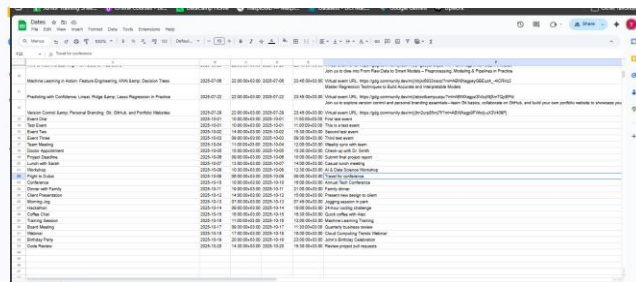
### Features

- ✓ Fetches events (title, start/end date, time, description, location).
- ✓ Handles multiple events across different days.
- ✓ Automatically formats data into rows and columns in Google Sheets.
- ✓ Can scale to thousands of events.

Before:

SUN 28	MON 29	TUE 30	WED Oct 1	THU 2	FRI 3	SAT 4
			10am Event One 10am Test Event	2pm Event Two	9am Event Three	11am Team Meeting
5 3pm Doctor Appointment 3pm Project Deadline	6 3pm Lunch with Sam	7 10:30am Workshop	8 9am Flight to Dubai	9 10am Conference	10 7pm Dinner with Far	
12 2pm Client Presentation 3pm Morning Jog	13 9am Hackathon	14 4pm Coffee Chat	15 11am Training Session	16 9:30am Board Meeting	17 5pm Webinar	
19 8pm Birthday Party	20 2:30pm Code Review	21	22	23	24	25
26	27	28	29	30	31	Nov 1

After:



Date	Time	Title	Description	Location
2023-10-01	10:00	Event One	10am Event One	
2023-10-01	10:00	Event Two	10am Test Event	
2023-10-02	14:00	Event Three	2pm Event Two	
2023-10-03	09:00	Event Four	9am Event Three	
2023-10-03	19:00	Event Five	7pm Dinner with Far	
2023-10-05	15:00	Event Six	3pm Project Deadline	
2023-10-06	13:00	Event Seven	3pm Lunch with Sam	
2023-10-07	10:30	Event Eight	10:30am Workshop	
2023-10-08	09:00	Event Nine	9am Flight to Dubai	
2023-10-09	10:00	Event Ten	10am Conference	
2023-10-10	19:00	Event Eleven	7pm Dinner with Far	
2023-10-12	15:00	Event Twelve	3pm Project Deadline	
2023-10-13	09:00	Event Thirteen	9am Hackathon	
2023-10-14	16:00	Event Fourteen	4pm Coffee Chat	
2023-10-15	11:00	Event Fifteen	11am Training Session	
2023-10-16	09:30	Event Sixteen	9:30am Board Meeting	
2023-10-17	17:00	Event Seventeen	5pm Webinar	
2023-10-19	20:00	Event Eighteen	8pm Birthday Party	
2023-10-20	14:30	Event Nineteen	2:30pm Code Review	
2023-10-21				
2023-10-22				
2023-10-23				
2023-10-24				
2023-10-25				
2023-10-26				
2023-10-27				
2023-10-28				
2023-10-29				
2023-10-30				
2023-10-31				
2023-11-01				