

GymVid API Reference

◆ 1. Analyze + Auto Log a Set (with Video)

POST /analyze/log_set

Field	Type	Notes
video	File	Required. MP4/MOV video file.
user_provided_exercise	String	Optional. (e.g., "Deadlift")
known_exercise_info	String (JSON)	Optional. Advanced manual exercise info (equipment, movement, variation, confidence).

- ✔ Runs AI analysis.
- ✔ Counts reps, predicts movement, estimates weight.
- ✔ Auto-saves into **logged_sets** Supabase table.

Example `curl` Command:

```
bash
CopyEdit
curl -X POST https://gymvid-app.onrender.com/analyze/log_set \
  -F "video=@backend/temp_uploads/Jamie_Deadlift.mov" \
  -F "user_provided_exercise=Deadlift"
```

◆ 2. Manual Log a Set (Without AI)

POST /manual_log

Field	Type	Notes
user_id	String	Required. From Supabase Auth.
movement	String	e.g., "Deadlift"
equipment	String	e.g., "Barbell"
weight	Float	Raw input weight.
weight_unit	String	kg or lb
reps	Integer	Number of reps.
rpe	Float	Optional. If using RPE scale.
rir	Float	Optional. If using RIR scale.
video	File	Optional. Upload video manually.

- ✔ User manually fills in set details.
- ✔ Optionally attaches a video file.
- ✔ Saves into **manual_logs** Supabase table.

Example `curl` Command:

```
bash
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curl -X POST https://gymvid-app.onrender.com/manual_log \
  -F "user_id=your-supabase-user-id" \
  -F "movement=Deadlift" \
  -F "equipment=Barbell" \
  -F "weight=100" \
  -F "weight_unit=kg" \
  -F "reps=5" \
  -F "rpe=8.5" \
  -F "rir=1.5"
```

◆ 3. Debug Environment (Optional)

GET /debug/env

Returns basic environment check (whether OpenAI, AWS, and Supabase keys are loaded).

★ Frontend Quick Guide

- Use /analyze/log_set for **video uploads + AI tracking**.
 - Use /manual_log for **pure manual workout logging**.
 - Always pass `user_id` when logging manually.
 - You don't need API authentication right now because CORS is open (but we can secure later if needed).
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🔑 Supabase Tables

Table	Purpose
logged_sets	Auto-logged analyzed sets (via AI)
manual_logs	Manually logged sets

📁 Project Folder Structure (Backend)

```
css
CopyEdit
gymvid-app/
├─ backend/
```

```
|
| |
| | | ai/
| | | | analyze/
| | |
| | | api/
| | | | log_set.py
| | | | manual_log.py
| | |
| | | utils/
| | | | aws_utils.py
| | | | save_set_to_supabase.py
| | | | supabase_client.py
|
| | frontend/
| | temp_uploads/
| | main.py
| | README.md
| | requirements.txt
```