

Las Vegas Food Curator

Instagram Stories automation system for discovering and reposting high-quality Las Vegas food content.

Features

- **Auto-Discovery:** Scan Instagram hashtags for Las Vegas food/restaurant content
- **Quality Filtering:** Automatically filter creators based on followers and engagement rate
- **Human-in-the-Loop:** Review and approve content before posting
- **Auto-Attribution:** Add credit overlay to videos before posting
- **Instagram Stories:** Post approved content to your Instagram Stories
- **Database:** Track all discovered creators and published content

Requirements

- Python 3.9+
- FFmpeg (for video processing)
- Instagram Account

Installation

1. Clone or download this repository

2. Install dependencies

```
bash cd lvfc_bot pip install -r requirements.txt
```

3. Install FFmpeg

macOS:

```
bash brew install ffmpeg
```

Ubuntu/Debian:

```
bash sudo apt install ffmpeg
```

Windows:

Download from <https://ffmpeg.org/download.html>

1. Configure credentials

```
bash cp config.example .env # Edit .env with your Instagram credentials
```

Usage

Option 1: Web Dashboard (Recommended)

Run the Streamlit dashboard:

```
cd lvfc_bot
streamlit run dashboard.py
```

Then open your browser to <http://localhost:8501>

Option 2: Command Line

```
cd lvfc_bot
python main.py --cli
```

How It Works

1. **Login:** Enter your Instagram credentials
2. **Discover:** Run the discovery scan to find content
3. **Review:** Go to "Content Queue" to review discovered videos
4. **Approve:** Click approve to post to Stories
5. **Attribution:** The system automatically adds "Credit: @username" to videos

Project Structure

```
lvfc_bot/
├─ bot_engine.py          # Core Instagram automation
├─ dashboard.py           # Streamlit web interface
├─ database_models.py     # Database models
├─ video_utils.py         # Video processing utilities
├─ main.py                # Entry point
├─ requirements.txt       # Python dependencies
└─ config.example         # Configuration template
```

Configuration Options

Setting	Default	Description
MIN_FOLLOWERS	1000	Minimum followers for creators
MIN_ENGAGEMENT_RATE	2.0	Minimum engagement rate (%)
MAX_RESULTS_PER_HASHTAG	20	Results to fetch per hashtag
DAILY_ACTION_LIMIT	50	Max posts per day

Important Notes

- **Rate Limiting:** The bot includes delays between actions to avoid Instagram restrictions
- **Copyright:** Ensure you have permission from creators before reposting
- **Account Safety:** Follow Instagram's terms of service
- **Two-Factor Auth:** If enabled, you'll need to provide the code during login

Troubleshooting

Login Issues

- Make sure credentials are correct
- Check for two-factor authentication
- Instagram may require verification - try logging in manually first

Discovery Issues

- Increase rate limit delay in settings
- Check your internet connection
- Some hashtags may have no recent video content

Video Processing

- Ensure FFmpeg is properly installed
- Check that video files are not corrupted

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