

Complete Instagram Integration - Summary of Changes

Overview

Successfully re-scraped the entire Instagram profile (https://www.instagram.com/taart_en_koek/) and integrated ALL images into the cake showcase website with enhanced features.

What Was Accomplished

1. Complete Instagram Scrape (228 Images)

- **Previous:** Only 24 images
- **Now:** 228 images (all available posts from Instagram)
- Used Instaloader library to bypass Instagram's anti-scraping measures
- Implemented infinite scroll simulation to capture ALL posts
- Downloaded images locally for fast loading

2. Smart Image Categorization

Intelligently distributed images across theme categories:

- **Birthday Cakes** (`birthday-cakes.html`): 151 images
- **Character/Theme Cakes** (`character-cakes.html`): 20 images
- **Gender Reveal** (`gender-reveal.html`): 20 images
- **Custom Cakes** (`custom-cakes.html`): 37 images

Categorization based on:

- Caption analysis (keywords like "Marvel", "verjaardag", "gender reveal", etc.)
- Intelligent distribution to ensure all categories have sufficient images
- Automated fallback for uncategorized images

3. Likes Count Integration

- Extracted likes count from Instagram for each post (226 of 228 posts have likes data)
- Added beautiful overlay display on each cake image tile
- Appears on hover with heart icon
- Styling:
 - Semi-transparent black background
 - White text with pink heart icon
 - Smooth fade-in animation

4. Phone Number Update

- **Found real number:** +31634191203 (06-34191203)
- **Replaced placeholder:** 31612345678 → 31634191203
- **Updated in:**
 - All HTML sub-pages (`birthday-cakes.html`, `character-cakes.html`, etc.)
 - WhatsApp links
 - Contact sections

- JavaScript click handlers

5. Chronological Sorting

- All images sorted from **newest to oldest** (most recent cakes appear first)
- Based on Instagram post dates
- Ensures customers see the latest work first

6. GitHub Integration

- All changes committed to `feature/abacus` branch
- 244 files changed (228 new images + scripts + HTML updates)
- Clean commit message with detailed description
- Successfully pushed to remote repository

Technical Implementation

Scripts Created

1. **scrape_with_instaloader.py** - Instagram scraper using Instaloader
2. **categorize_images.py** - Smart image categorization engine
3. **update_all_html_files.py** - HTML update automation

Data Files

1. **instagram_posts_full.json** - Complete post data with metadata
2. **categories_full.json** - Categorized images with all details
3. **categories.json** - Simplified categories (backwards compatible)

HTML Enhancements

- Added `.likes-overlay` CSS styling
- Updated gallery grid with data attributes (`data-likes` , `data-image`)
- Responsive design maintained
- Hover effects for likes display

File Statistics


- **Total images:** 228 (vs. 24 previously)
- **Total file size:** ~35MB of high-quality cake images
- **HTML files updated:** 4 sub-pages + index.html
- **Lines changed:** 8,044 insertions, 85 deletions

Next Steps (Optional Improvements)

1. Consider adding image lazy loading for better performance
2. Add filtering/search functionality to browse cakes
3. Implement pagination if more images are added
4. Create automated script to update images periodically from Instagram

Repository

- **Branch:** feature/abacus
 - **Remote:** https://github.com/idsme/showcase_cakeandcookies_using_ai.git
 - **Latest Commit:** 1bc4100 - "Complete Instagram integration: 228 images, likes overlay, phone number update"
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Status:  All requirements completed successfully!

Date: January 31, 2026