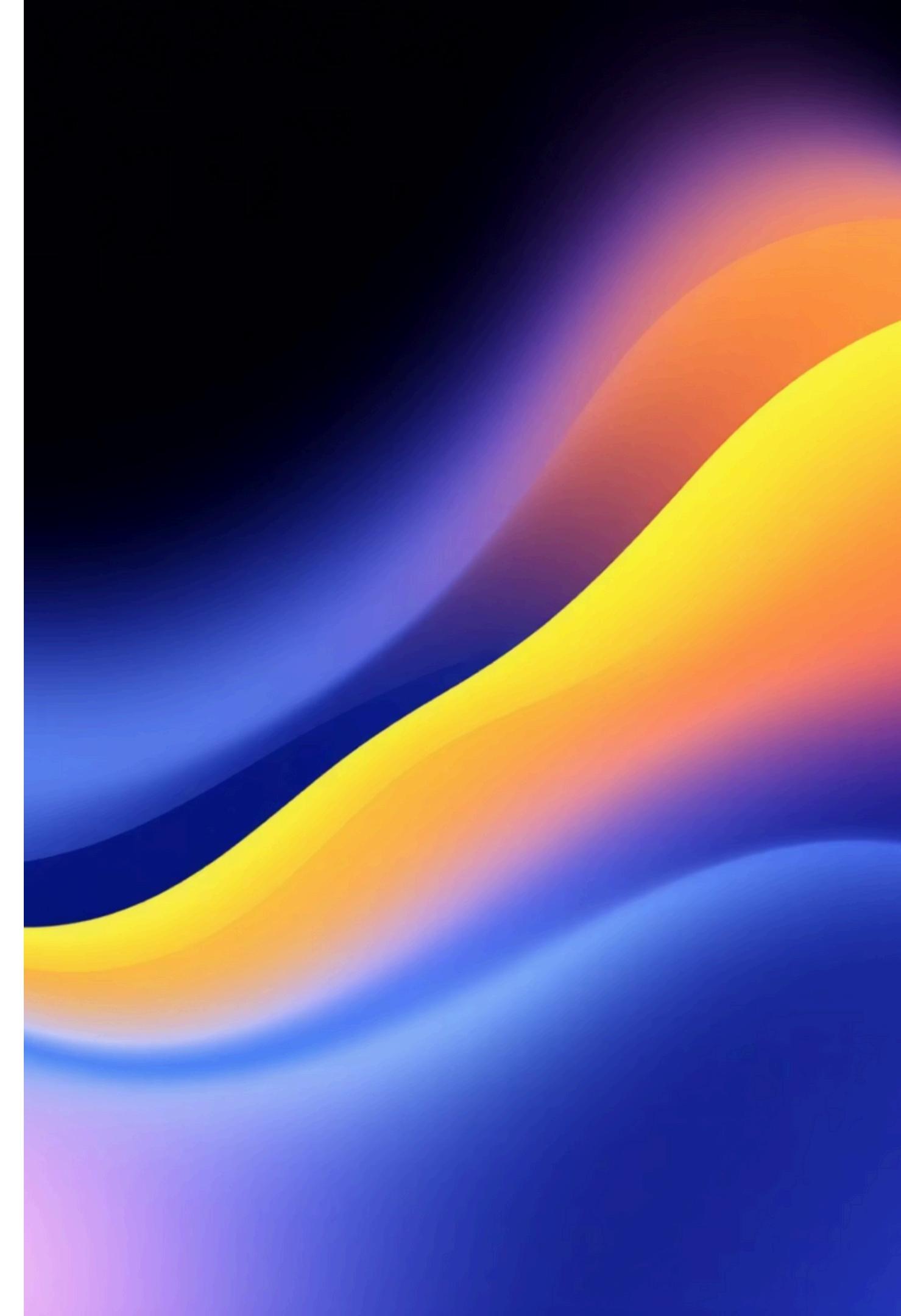


# Nano Banana UGC AI Agent

An intelligent automation workflow that analyzes images, generates UGC-style prompts, and seamlessly integrates with FAL AI's Nano Banana model to create authentic, influencer-style visuals.

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**Created by Chinmay Kaitade | MERN Stack Developer | AI Enthusiast**



# What This Agent Does

Nano Banana UGC AI Agent automates the User-Generated Content creation process using AI. It intelligently analyzes product or character images, extracts key visual details, and generates realistic, casual UGC-style image prompts ready for AI-based content generation via FAL AI Nano Banana Model.

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# Perfect For



## Product Marketing Teams

Create authentic product visuals at scale without expensive photoshoots



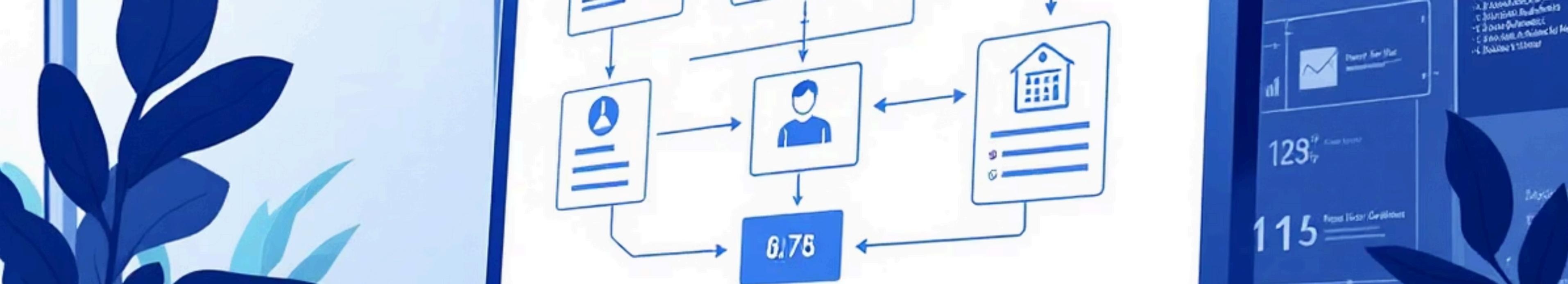
## Content Creators

Generate UGC-style content that looks natural and relatable



## AI Automation Builders

Integrate intelligent visual generation into existing workflows



# Three-Stage Workflow

01

## Upload Image

Upload your product or character image to IMGBB to get a public image URL

02

## Image Analysis

AI analyzes the image to identify products, characters, brands, colors, and visual details

03

## Prompt Generation

Creates UGC-style prompts that replicate the visual in casual, authentic environments

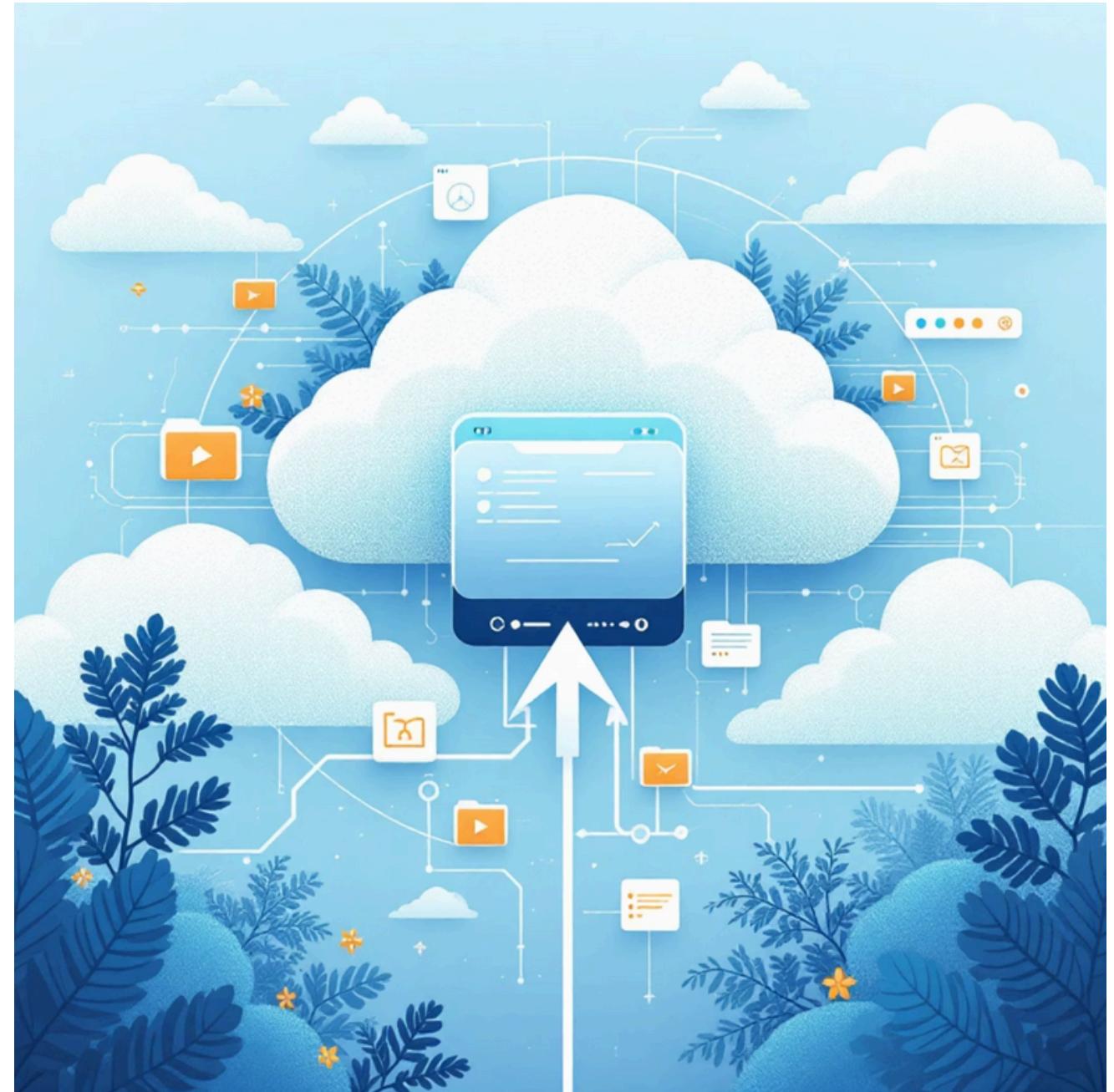
# Stage 1: Image Upload

## IMGBB Integration

The workflow begins by uploading your image to IMGBB, which hosts it and returns a public URL. This URL becomes the reference for all subsequent analysis and generation steps.

**API Endpoint:** <https://api.imgur.com/>

You'll receive a JSON response containing the hosted image link that's used throughout the workflow.



# Stage 2: Intelligent Analysis

The AI analyzes your uploaded image to extract critical visual metadata. It determines whether the image contains a product, character, or both, then identifies specific attributes.

## **Brand & Identity**

Detects brand names, logos, and product identifiers

## **Color Scheme**

Extracts hex codes and descriptive names for prominent colors

## **Visual Details**

Captures font styles, outfits, accessories, and defining features

The output is structured YAML format with accurate visual metadata ready for prompt generation.

# Stage 3: UGC Prompt Generation

## Creating Authentic Prompts

The AI generates UGC-style image prompts that replicate your product or character in casual, authentic environments. Every prompt ensures accurate text and brand representation with natural, unpolished iPhone photo aesthetics.

- Candid, influencer-style realism
- Natural lighting and imperfections
- Relatable everyday settings
- Amateur-quality phone photo look



# FAL AI Integration

The workflow integrates with FAL AI's Nano Banana Model to transform prompts into stunning UGC-style images. The JSON payload combines your generated YAML prompt with the uploaded image URL.

```
{ "prompt": "{{ generated_ugc_prompt }}", "image_urls": ["{{ imgbb_hosted_url }}"]}
```

Choose between the [Nano Banana Model](#) for generation or the [Nano Banana Edit Model](#) for editing existing images.

# Key Use Cases

## UGC Ad Generation

Create authentic-looking ads that perform like real user content

## Product Lifestyle Visuals

Generate natural product-in-use imagery for e-commerce

## Influencer Mockups

Prototype influencer content before real photoshoots

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# Get Started Today

## Tools You'll Need

- **n8n** - Workflow automation engine
- **IMGBB API** - Image hosting service
- **FAL AI** - Nano Banana model access

This project is open-source and available under the MIT License for educational or personal use.

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