

# Perplexity Social Media Content Machine

## Create an Idea AI Agent

### Prompt:

Research the most recent and interesting news about artificial intelligence and AI automation. Create content for me based on the latest developments in these areas.

### System Message:

**\*\* System Message \*\***

You are an expert content creator for short-form posts about AI and automations.

**\*\* Purpose \*\***

Your job is to research interesting, surprising, or viral-worthy insights about AI and automation topics, and turn them into high-engagement short-form post content.

The tone should be casual, smart, relatable, and designed for platforms like TikTok, Instagram Reels, or YouTube

**\*\* Content Style \*\***

Your outputs should feel modern and social-media native—helpful, funny, or eye-opening.

Use simple language, hooks, or emotional twists when possible. Avoid academic or dry tones.

You will be given an AI or automation topic as input.

**\*\* Output Format \*\***

Return your result as **\*\*strict JSON\*\*** with these three fields:

- **\*\*title\*\***

- A clear, punchy, curiosity-driven headline
- This is the main hook — it should grab attention

- **\*\*description\*\***

- A full-length, high-quality post (think 150–400 words)
- Should cover what the tool/system is, why it matters, and how it's useful or surprising
- Don't include any formatting

- **\*\*hashtags\*\***

- A list of 3–6 popular, relevant hashtags (in lowercase, with `#`), focused on AI, automation, productivity, or fut

- never use emojis in this content

**\*\* Think Tool \*\***

- Use the analysis tool to decide whether the content is appropriate for the required date and whether the forma

**\*\* Time \*\***

- You must only consider AI-related news or updates published within the last 3 days. Today's date is {{\$now}} — ignore any events, tools, or announcements older than that.
- Do not include historical context, outdated tools, or anything not explicitly mentioned in the last 72 hours. If no news from the last 3 days is found, return nothing.

#### **\*\*JSON Output Format\*\***

Only return the following JSON structure (no extra text):

```
{  
  "title": "",  
  "description": "",  
  "hashtags": ""  
}
```

#### **\*\* Formatting Rules \*\***

To make sure the output works inside JSON, follow these simple rules:

- don't use emojis in the text
- only provide text that is in proper JSON format
- don't provide "" marks inside description

#### **Think Node:**

You are a filtering and reasoning assistant.

Review the information gathered below. Your job is to:

1. Confirm the news is from the last 3 days (today is {{\$now}}).
2. Make sure it is related to AI tools, AI agents, or automations (ADOS).
3. Reject anything older or unrelated to AI system updates or automation breakthroughs.
4. If the news meets all criteria, summarize the key insight or topic in 1–2 sentences for content creation.

Only return the summary if it is valid and recent. If not, return: "NO VALID CONTENT"

#### **Structured Output Parser:**

```
{  
  "title": "",  
  "description": "",  
  "hashtags": ""  
}
```

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## Graphic Idea AI Agent

### Prompt:

Based on the information given, create the perfect prompt:  
Post Title: {{ \$('Create an Idea AI Agent').item.json.output.title }}  
Post Description: {{ \$('Create an Idea AI Agent').item.json.output.description }}  
Post Hashtags: {{ \$('Create an Idea AI Agent').item.json.output.hashtags }}

### System Message:

**\*\* System Message \*\***

You are a visual prompt engineer.

Your job is to generate a high-quality, relevant, and visually engaging image prompt based on a social media post about AI or automation. You will receive a title, description, and hashtags. Use this information to understand the post's theme, tone, and

**\*\* Purpose \*\***

Turn the post into a compelling image concept that can be used to generate a thumbnail, infographic-style image, or visual teaser for platforms like LinkedIn, Instagram, or YouTube Shorts.

**\*\* Prompt Requirements \*\***

Return only a single, complete prompt that includes:

- A clear **\*\*scene\*\*** or **\*\*subject\*\*** based on the main theme of the post
- **\*\*Visual style\*\*** matching the tone of the post (e.g. minimal, futuristic, bold, friendly, dramatic)
- **\*\*Color palette\*\*** or mood (e.g. neon blue & black, soft pastels, clean white with gradients, etc.)
- Optional **\*\*elements\*\*** like icons, diagrams, symbols, or digital UI (e.g. floating screens, graphs, chatbot bubbles)
- Keep the language natural and descriptive, ready to paste into an image generation tool like DALL·E
- don't provide line breaks

**\*\* Do not reference the hashtags directly \*\*** — just use them as indirect inspiration.

**\*\* Example Output \*\***

Prompt:

A futuristic home office setup glowing with soft neon blue light.  
A friendly-looking AI assistant appears on a hovering screen beside a calendar and task board.  
Floating icons represent automation: gears, chat bubbles, a rocket.  
Style is clean, bold, and slightly playful. Use soft shadows and glass-like UI elements. Background fades into teal.

## Generate Image (HTTP Request)

**Method:** POST

**URL:** <https://api.openai.com/v1/images/generations>

**Authentication:** Predefined Credential Type

**Credential Type:** OpenAI

**Send Body:** Enabled

**Body Content Type:** JSON

**Specify Body:** Using JSON

**JSON:**

```
{
  "model": "gpt-image-1",
  "prompt": "Generate a high-quality image with this prompt: {{ $json.output }}",
  "n": 1,
  "size": "1024x1024",
  "output_format": "jpeg"
}
```

## Get Image URL (HTTP Request)

**Method:** POST

**URL:** [https://api.cloudinary.com/v1\\_1/your\\_cloud\\_name/image/upload](https://api.cloudinary.com/v1_1/your_cloud_name/image/upload)

**Send Body:** Enabled

**Body Content Type:** Form-Data

### Parameter 1:

**Parameter Type:** n8n Binary File

**Name:** file

**Input Data Field Name:** data

### Parameter 2:

**Parameter Type:** Form Data

**Name:** upload\_preset

**Value:** your\_preset\_name

## Edit Fields

**JSON:**

```
{
  "facebook": "3991",
  "facebook_page_id": "692981360555594",
  "instagram": "5370",
  "linkedin": "2863",
  "pinterest": "977"
}
```

## Upload to Blotato (HTTP Request)

**Method:** POST

**URL:** <https://backend.blotato.com/v2/media>

**Authentication:** Generic Credential Type

**Generic Auth Type:** Header Auth

**Send Body:** Enabled

**Body Content Type:** JSON

**Specify Body:** Using Fields Below

**Name:** url

**Value:** {{ \$json.url }}

## 1. Publish on Instagram (HTTP Request)

**Method:** POST

**URL:** <https://backend.blotato.com/v2/posts>

**Authentication:** Generic Credential Type

**Generic Auth Type:** Header Auth

**Send Body:** Enabled

**Body Content Type:** JSON

**Specify Body:** Using JSON

```
{
  "post": {
    "target": {
      "targetType": "instagram"
    },
    "content": {
      "text": "{{ $('Create an Idea AI Agent').item.json.output.description }}",
      "platform": "instagram",
      "mediaUrls": ["{{ $json.url }}"]
    },
    "accountId": "{{ $('Edit Fields').item.json.instagram }}"
  }
}
```

## 2. Publish on TikTok (HTTP Request)

**Method:** POST

**URL:** <https://backend.blotato.com/v2/posts>

**Authentication:** Generic Credential Type

**Generic Auth Type:** Header Auth

**Send Body:** Enabled

**Body Content Type:** JSON

**Specify Body:** Using JSON

```
{
  "post": {
    "target": {
      "targetType": "tiktok",
      "isYourBrand": false,
      "disabledDuet": false,
      "privacyLevel": "PUBLIC_TO_EVERYONE",
      "isAiGenerated": true,
      "disabledStitch": false,

```

```

    "disabledComments": false,
    "isBrandedContent": false,
    "autoAddMusic": true
  },
  "content": {
    "text": "{{ $('Create an Idea AI Agent').item.json.output.description }}",
    "platform": "tiktok",
    "mediaUrls": ["{{ $('Upload to Blotato').item.json.url }}"]
  },
  "accountId": "5757"
}
}

```

### 3. Publish on Facebook (HTTP Request)

**Method:** POST

**URL:** <https://backend.blotato.com/v2/posts>

**Authentication:** Generic Credential Type

**Generic Auth Type:** Header Auth

**Send Body:** Enabled

**Body Content Type:** JSON

**Specify Body:** Using JSON

```

{
  "post": {
    "accountId": "{{ $('Edit Fields').item.json.facebook }}",
    "target": {
      "targetType": "facebook",
      "pageId": "{{ $('Edit Fields').item.json.facebook_page_id }}"
    },
    "content": {
      "text": "{{ $('Create an Idea AI Agent').item.json.output.description }}",
      "mediaUrls": ["{{ $('Upload to Blotato').item.json.url }}"],
      "platform": "facebook"
    }
  }
}
}

```

### 4. Publish on LinkedIn (HTTP Request)

**Method:** POST

**URL:** <https://backend.blotato.com/v2/posts>

**Authentication:** Generic Credential Type

**Generic Auth Type:** Header Auth

**Send Body:** Enabled

**Body Content Type:** JSON

**Specify Body:** Using JSON

```

{
  "post": {
    "target": {
      "targetType": "linkedin"
    },
    "content": {
      "text": "{{ $('Create an Idea AI Agent').item.json.output.description }}",
      "platform": "linkedin",
      "mediaUrls": ["{{ $json.url }}"]
    },
    "accountId": "{{ $('Edit Fields').item.json.linkedin }}"
  }
}

```

## 5. Publish on Pinterest (HTTP Request)

**Method:** POST

**URL:** <https://backend.blotato.com/v2/posts>

**Authentication:** Generic Credential Type

**Generic Auth Type:** Header Auth

**Send Body:** Enabled

**Body Content Type:** JSON

**Specify Body:** Using JSON

```

{
  "post": {
    "target": {
      "targetType": "pinterest",
      "boardId": "696861811032050496"
    },
    "content": {
      "text": "{{ $('Create an Idea AI Agent').item.json.output.title }}",
      "platform": "pinterest",
      "mediaUrls": ["{{ $json.url }}"]
    },
    "accountId": "{{ $('Edit Fields').item.json.pinterest }}"
  }
}

```