**Nano with n8n Project Steps**

**Step 1: Create Workflow and Form**

1. Login to **n8n.com** → create a workflow → save as **nano\_banana**.
2. Click **+** → select **n8n form** → set form title as **Nano Banana**.
3. Add form elements:
   * **Instruction**: Text element for user instructions.
   * **Image**: File element; accept .jpg, .jpeg, .png.
4. Form description: *“Edit or generate image for video post”*.
5. Execute step → pop-up box opens.
   * Prompt example: *“Add bold, modern text ‘Happy Birthday Muntaj Workshops’ and at the bottom, add stylish caption text: ‘happy birthday Muntaj’, or anything you want. The design should look clean, professional, eye-catching, and social-media ready.”*
6. Upload the image → view the uploaded image on the right side.

**Step 2: Convert Image to Base64**

1. Click **+** → **base64** → extract from file → select **Move base64 string to string**.
2. Make sure **input binary field matches form submission name** (for this case: image\_).
3. Execute step → Base64 data will appear on the right side successfully.

**Step 3: Integrate OpenRouter API**

1. Grab your **API key** from OpenRouter.
2. Click **+** → **HTTP request** → change method to **POST**.
3. URL: https://openrouter.ai/api/v1/chat/completions.
4. Authentication: Predefined credential type → select OpenRouter account.
5. Send body using **JSON** → select **expression** → paste the following code:

{

"model": "google/gemini-2.5-flash-image-preview",

"messages": [

{

"role": "user",

"content": [

{

"type": "image\_url",

"image\_url": {

"url": "data:image/png;base64,{{ $json.data }}"

}

},

{

"type": "text",

"text": "{{ $('On form submission').item.json.Instruction }}"

}

]

}

]

}

1. Execute step → node will execute successfully.

**Step 4: Extract Image from JSON**

1. Click **+** → search with **JSON** → edit field (set) → select mode **JSON**.
2. Write the following code:

{

"base64": "{{ $json.choices[0].message.images[0].image\_url.url.replace(\"data:image/png;base64,\", \"\") }}"

}

**Step 5: Convert Base64 to File and Download**

1. Click **+** → convert to file → operation: **move base64 to string**.
2. Drag Base64 → view code → download the final image.

**Skills & Tools:** n8n, Workflow Automation, API Integration, OpenRouter AI, Base64 Image Handling, JSON, JavaScript