

AI AND MARKETING AGENT

CHALLENGES:-

1. Figuring Out the Best Workflow Structure

What went wrong:

In the beginning, I honestly didn't know how to connect all nodes properly. I had multiple ideas—RSS extraction, text formatting, LLM processing, slide generation—but everything felt scattered.

How I fixed it:

I broke the workflow into clear stages: **Input → Data Fetching → Processing → AI Insights → Slide Building → Output.**

Once the structure was clear, everything fell into place. Naming the nodes properly also helped a lot during debugging.

2. Cleaning & Standardizing RSS Feeds

What went wrong:

RSS feeds from different sources were inconsistent. Some returned broken formats, different keys, or even empty responses.

How I fixed it:

I manually selected reliable sources and pushed them into an array using the **Edit Fields** node. Then I used a JavaScript node to split them one by one so the **RSS Read** node could process them smoothly.

3. Getting the LLM to Respond in Structured JSON

What went wrong:

The LLM was giving great responses—but in long paragraphs. Since I needed to parse it further, JSON was mandatory. Without it, the JSON Parser node failed.

How I fixed it:

I refined my prompt and forced it to respond in **strict JSON format**, with fixed keys like: main_pain_point, icp, big_idea, and slides. Once I did that, everything became predictable and easy to parse.

4. Creating a Good LinkedIn Caption Automatically

What went wrong:

Initially, I got random descriptions—sometimes short, sometimes too long. It wasn't looking like a proper LinkedIn caption.

How I fixed it:

I built a JavaScript Caption Builder where I formatted it with emojis and clear sections like:

- Main Pain
- Ideal Customer
- Key Insight

Now every output looks like a ready-to-post carousel caption.

5. API Credits Got Over – Had to Switch to Manual Slide Creation

What went wrong:

The Gemini image API stopped working because I ran out of credits. So image automation suddenly broke.

How I fixed it:

Instead of stopping, I used the image_prompt that my workflow generated and manually created the slides in Canva. So the agent still works — and delivers everything needed to produce the final carousel manually.