



Visual Generation with AI Tools

JSON PROMPT FORMAT



Co-funded by
the European Union



Visual Prompt Structure

1

Subject



+

2

Action/Context



+

3

Style



+

4

Technical Details



JSON and Structural Coding

Although artificial intelligence models are successful in making sense of natural language, visual production engines give the best results with precise and structured inputs.

For this reason, the methodology for expert visual production is a structured prompt architecture in JSON (JavaScript Object Notation) format instead of free text.

Parsing

The software on Banana Pro can precisely distinguish which part is "Negative Prompt", which part is "Style", and which part is "Subject" by breaking down a prompt in JSON format.

Modularity

NGO employees can derive new visuals that preserve the same style and light settings in seconds by changing the "Subject" block (for example, by writing "Olive tree" instead of "Oak tree")

Token Optimization

JSON structure allows Gemini Nano to focus directly on visual identifiers (tokens) by eliminating unnecessary conjunctions (and, with, for, etc.).

Parameter	Description	Example Value
subject	Main focus of the visual.	<i>Gray wolf</i>
action	Action performed by the subject.	<i>Walking through snow</i>
context	Location and cultural context.	<i>Taurus (Toros) Mountains</i>
art_style	Aesthetic type of the visual.	<i>National Geographic photography</i>
lighting	Light and atmosphere.	<i>Golden hour, volumetric rays</i>
camera	Lens and angle information.	<i>Macro lens, f/1.8, bokeh</i>
modifiers	Quality-enhancing terms.	<i>Hyper-realistic, 8k, sharp focus</i>
culture_code	Local cultural elements.	<i>Authentic Mediterranean flora, no stereotypes</i>
negative_prompt	Undesirable elements.	<i>Deformed, plastic, desert, text</i>

```
{
  "image_generation_prompt": {
    "subject": "Gray wolf",
    "action": "Walking through snow",
    "context": "Taurus Mountains (Toros Dağları)",
    "art_style": "National Geographic photography",
    "lighting": "Golden hour, volumetric rays",
    "camera": {
      "lens": "Macro lens",
      "aperture": "f/1.8",
      "effect": "bokeh"
    },
  },
  "modifiers": [
    "Hyper-realistic",
    "8k",
    "sharp focus"
  ],
  "culture_code": "Authentic Mediterranean flora,
no stereotypes",
  "negative_prompt": "Deformed, plastic, desert,
text"
}
}
```





the presentation is over

Ali Selim KARA

Communication Specialist and Youth Trainer

✉ aliselimkara@gmail.com

[in](https://www.linkedin.com/in/aliselimkara) /aliselimkara