Image generation basic knowledge with prompts to try!

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📸 1. Camera Terminology — The "Lens Talk"

When you use camera words like *85mm lens* or *f/1.4 aperture*, the AI simulates real photography — the depth, distance, and intimacy change drastically.

🟢 Focal Length (e.g., 24mm, 35mm, 50mm, 85mm, 200mm)

Think of focal length as your image's **perspective personality**.

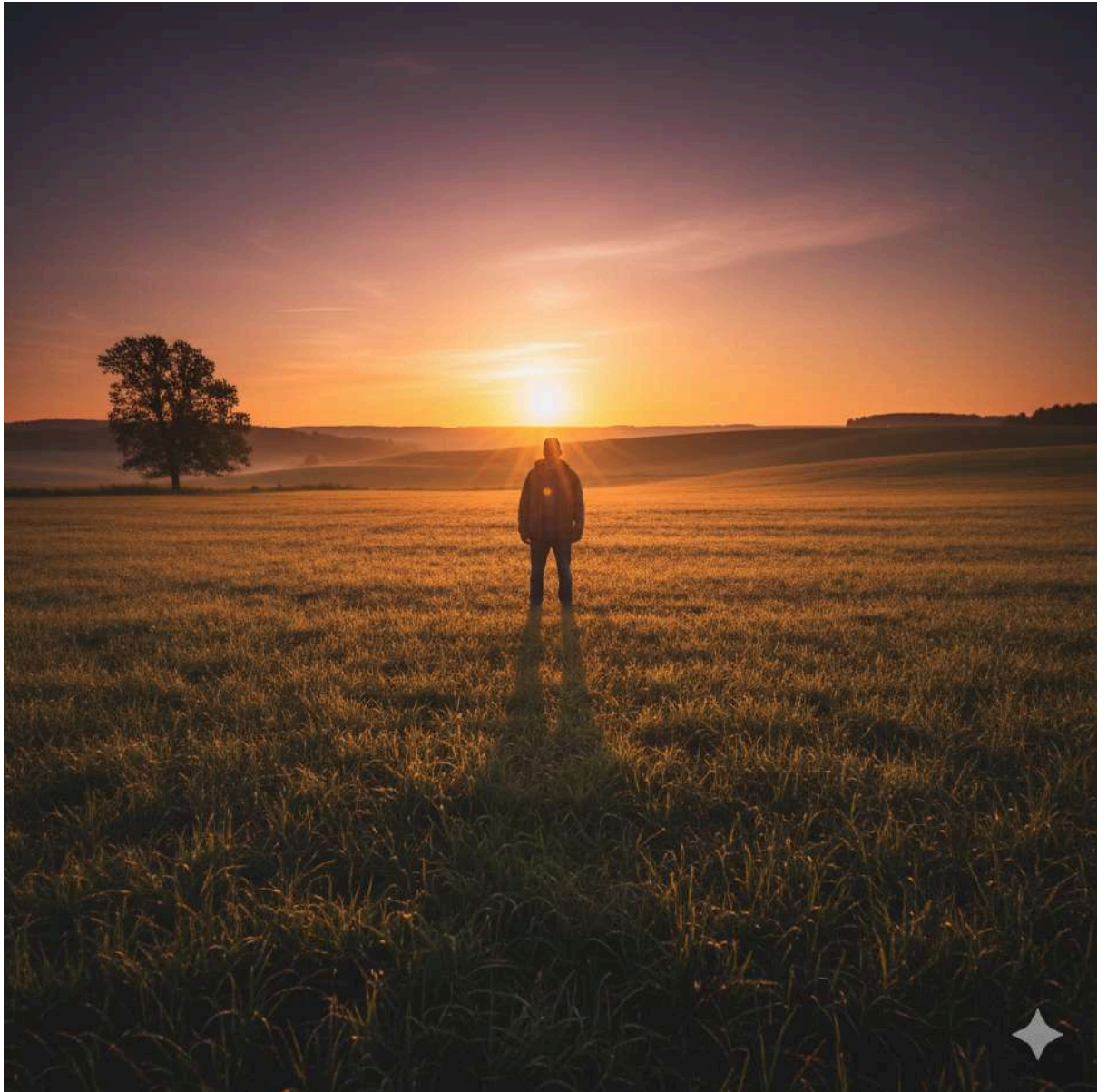| Focal Length	Effect	Feels Like
24mm	Wide-angle	You see more — perfect for landscapes, architecture, or dramatic perspective
35mm	Natural human eye view	Great for street or documentary-style photography
50mm	"Nifty fifty" — balanced, sharp, true-to-life	Often used for portraits with background context
85mm	Tight portrait lens	Smooth background blur, dreamy bokeh — magazine-style portraits
200mm+	Telephoto — zoomed in	Compresses space, great for wildlife or candid long shots

✅ **Prompt Comparisons (same concept, different focal lengths):**
Let's imagine the same subject — *a man standing in a field at sunrise.*

- **24mm:**

    A man standing in a vast field at sunrise, shot with a 24mm lens, cinematic wide angle, dramatic perspective
    → The field looks huge, sky stretched, man looks small — emphasizes environment.

- **35mm:**

A man standing in a field at sunrise, shot with a 35mm lens, natural perspective, storytelling tone
→ Balanced shot — environment visible but focus remains on subject.

- **50mm:**

  A man standing in a field at sunrise, shot with a 50mm lens, natural depth, mild background blur
  → Feels lifelike — like what your eyes would see.

- **85mm:**

 A man standing in a field at sunrise, shot with an 85mm lens, shallow background, cinematic focus
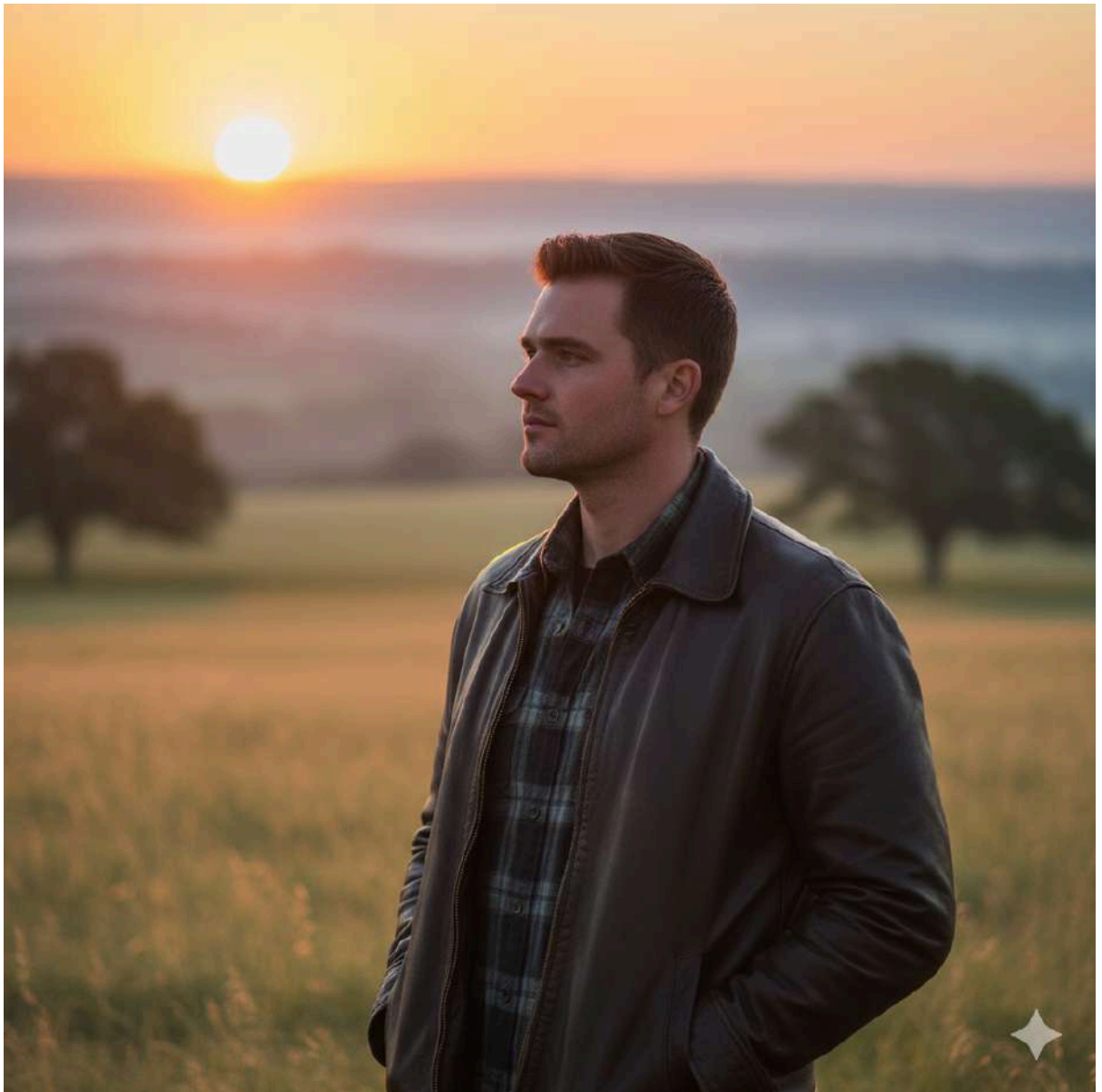→ Background melts away, very professional portrait vibe.

- **200mm:**

   A man standing in a field at sunrise, shot with a 200mm telephoto lens, compressed background, dramatic close-up
   → Brings background closer visually, feels intimate and powerful.

🟢 Aperture (f-stop: f/1.4, f/2.8, f/8, etc.)

Aperture controls how much light enters and how much of your image is in focus.

Aperture	Depth of Field	Look
f/1.4–f/2.0	Very shallow	Subject sharp, background blurry — cinematic close-up
f/4–f/8	Moderate	Background slightly visible — balanced portrait
f/11–f/22	Deep	Everything in focus — landscapes, architecture

✅ **Prompt Comparisons (same subject, different apertures):**
Same man, same setting — *portrait in a field.*

- **f/1.4:**

  Portrait of a cat in a field at sunrise, f/1.4 aperture, shallow depth of field, creamy bokeh background
  → Background dissolves — dreamy cinematic look.

- **f/2.8:**

  Portrait of a cat in a field at sunrise, f/2.8 aperture, soft background blur, balanced lighting
  → More detail behind it, still a soft professional blur.

- **f/8:**

 Portrait of a cat in a field at sunrise, f/8 aperture, moderate depth of field, detailed surroundings
 → You see both the cat and some field detail clearly.

- **f/16:**

  Portrait of a cat in a field at sunrise, f/16 aperture, high depth of field, crisp details from front to horizon
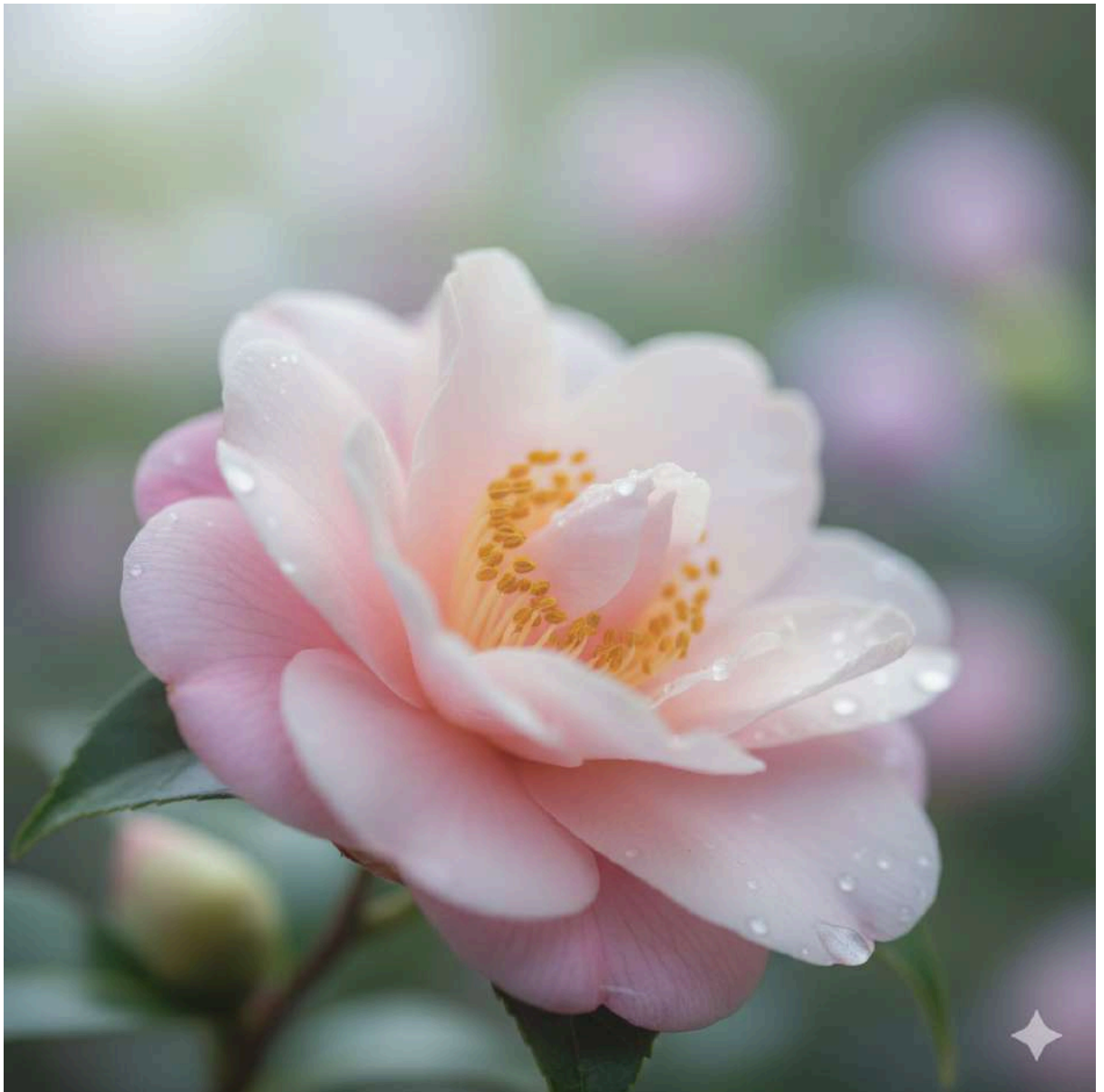 → Everything sharp — more like landscape photography.

🟢 Depth of Field

Depth of field = how much of the image is in focus.
 Same subject — *a single flower on the ground.*

- **Shallow DoF:**

   Macro shot of a single flower, shallow depth of field, blurred garden background, dreamy focus on petals
   → Only the flower is sharp — romantic and cinematic.

- **Deep DoF:**

 Macro shot of a single flower, deep depth of field, every leaf and petal in focus, high clarity
→ Whole frame is clear, more scientific/nature photo vibe.

💡 2. Lighting Setups — The Secret Sauce

Lighting sets mood — it's how emotion and realism enter the image.

🟢 Rembrandt Lighting

Classic painterly setup — triangle of light on shadowed cheek, moody and deep.

✅ Prompt:

Portrait of a man with rugged features, Rembrandt lighting, 85mm lens, f/2.0, dark studio background
 → Creates strong shadows and soulful expression.

🟢 Studio Lighting

Controlled and balanced, like a fashion or beauty shoot.

✅ Prompt:

Portrait of a man in a black turtleneck, studio lighting setup, white backdrop, 85mm lens, clean editorial style
 → Flawless, smooth lighting, crisp detail — magazine-ready.

🟢 **Natural Light**

Soft daylight — emotional and authentic.

✅ Prompt:

> *Portrait of a man standing in a field, golden hour natural light, 85mm lens, warm tones, soft shadows*
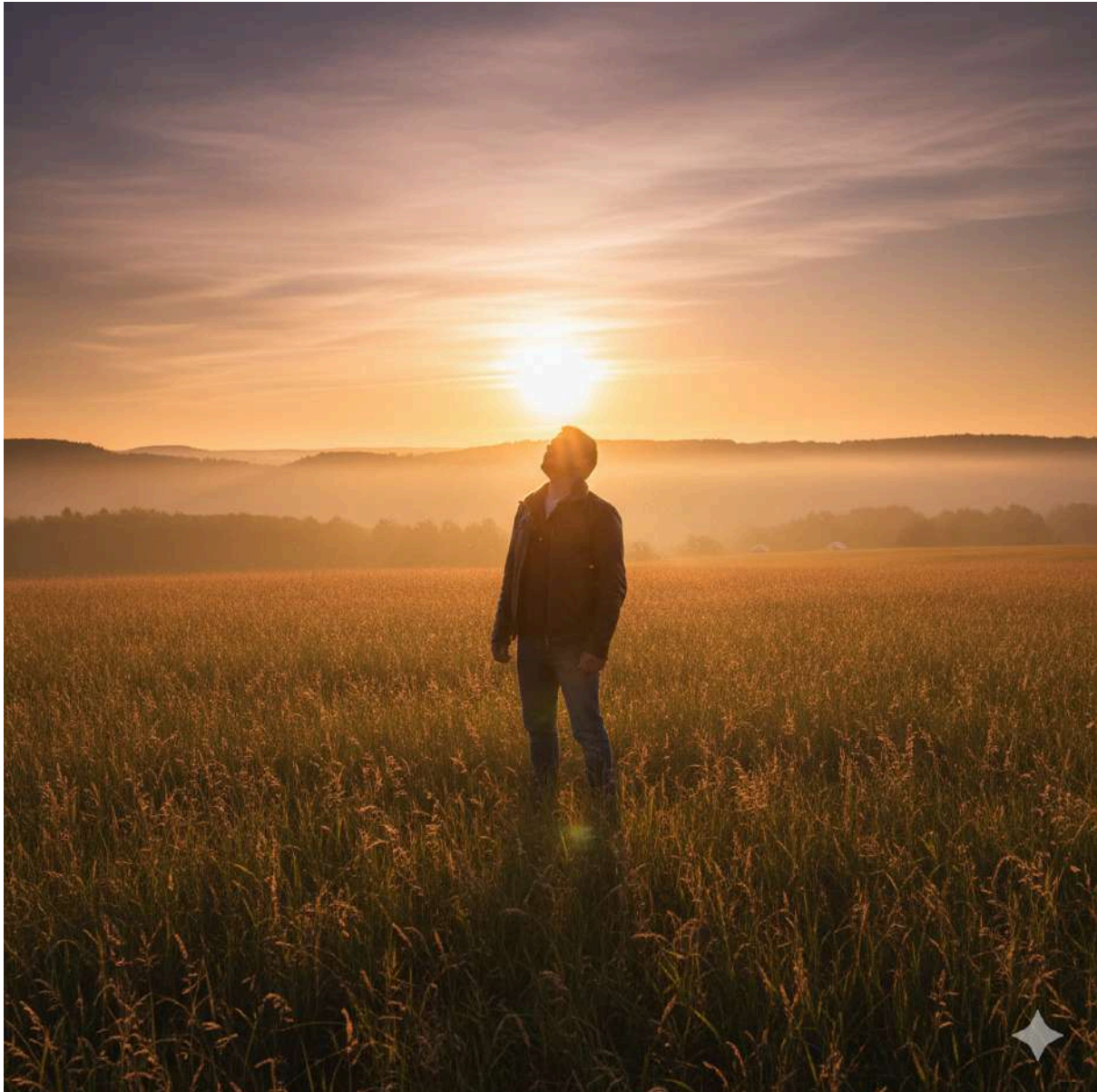
→ Feels warm, cinematic, emotionally rich.

🟢 Backlighting / Rim Lighting

Light from behind creates a glowing edge — "halo effect."

✅ Prompt:

Portrait of a man in a field at sunrise, backlighting from the sun, rim light around silhouette, cinematic atmosphere

→ Dramatic glow, strong contrast, movie-poster feel.

🟢 Split Lighting

Half the face lit, half in shadow — intense and mysterious.

✅ Prompt:

Portrait of a man with split lighting, dark room, single key light from left, f/2.0, 85mm lens
→ Creates drama, tension, power.

🟢 Butterfly Lighting

Light placed above and in front of face — glamorous, used in beauty portraits.

✅ Prompt:

Male portrait, butterfly lighting setup, soft key light above camera, smooth shadows under nose, editorial look
→ Classic Hollywood beauty style, flattering and elegant.

🎞️ 3. Photography Styles — The *Art Direction*

The "genre" of photography defines how it should feel or look emotionally.

Style	Description	When to Use
Editorial Photography	Artistic, fashion-magazine look	Stylish and posed
Cinematic Photography	Looks like a film still	Emotional and atmospheric
Fine Art Photography	Conceptual and poetic	Minimal, gallery-worthy

Documentary Photography	Real and raw	Honest and human
Street Photography	Urban, candid moments	Cultural and spontaneous

✅ **Prompt Examples:**

- **Editorial:**

  Editorial portrait of a man in a tailored coat, studio lighting, 85mm lens, minimal backdrop, fine texture detail
  → Feels like GQ or Vogue spread.

- **Cinematic:**

   Cinematic portrait of a man walking through fog, backlighting, 85mm lens, moody tones, storytelling atmosphere
   → Like a frame from a movie — powerful mood.

- **Fine Art:**

   Fine art portrait of a man with closed eyes, muted tones, soft light, minimalist background, poetic composition
   → Gentle, painterly, emotional stillness.

● **Documentary:**

 Documentary-style portrait of a man standing on a dirt road, natural light, unposed expression, 35mm lens
 → Feels raw, human, authentic.

- **Street:**

  Street photography shot of a man crossing a busy street, 35mm lens, natural light, motion blur, candid expression
  → Real-world energy, alive and spontaneous.

⚙️ 4. Putting It All Together — "The Master Prompt"

Let's combine all we've learned into a single power prompt:

> *Cinematic portrait of a man standing in a field at sunrise, shot with an 85mm lens, f/1.8, backlit by the rising sun creating rim light, fine art editorial style, natural tones and realistic color grading.*

→ You'll get an emotionally powerful, visually realistic photo — the kind that looks straight out of a high-end magazine.