



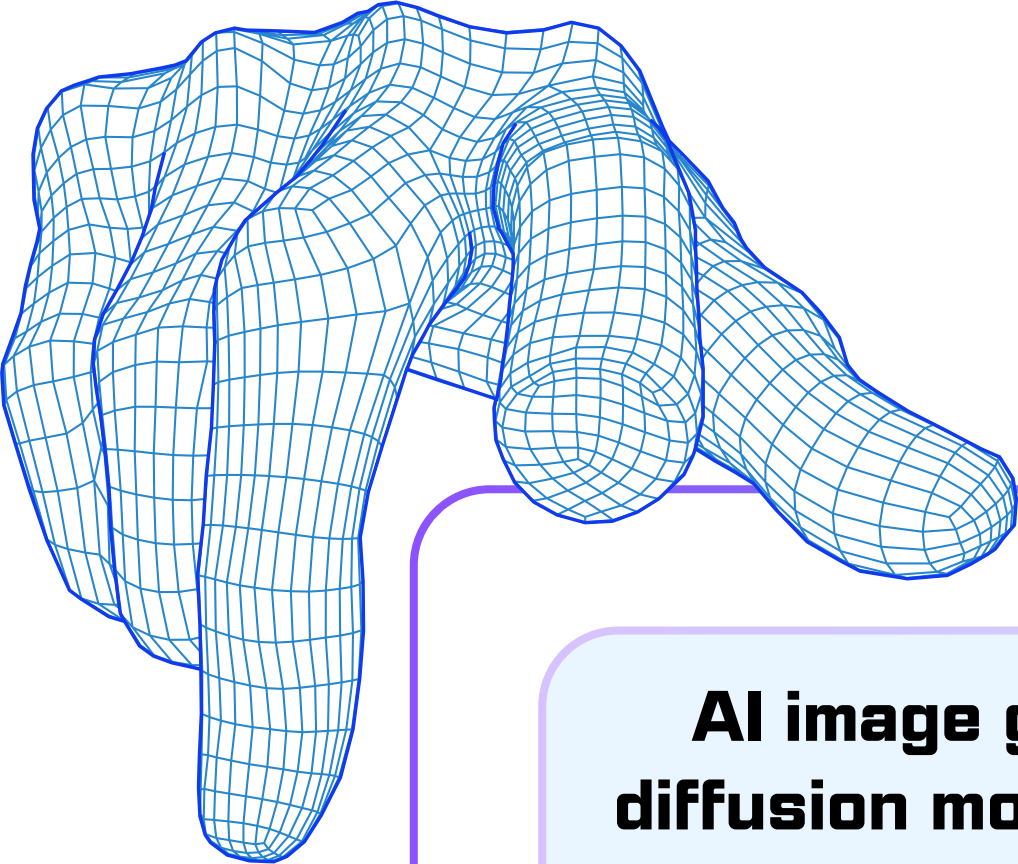
WEBNEP
PRESENTS

AI IN Nutshell

by Gaurav Rizal &
Dipesh Bhandari



Day 05: AI Image Generation



Introduction to AI Image Generation

AI image generation uses advanced machine learning models, primarily diffusion models, to turn written descriptions (prompts) into unique visuals.

Prompt

Make a photo of a cute ball-shaped version of a [rabbit], with big adorable over-sized eyes, it has no head, instead its face is part of the ball, its head and body are one. They are in their usual habitat. Must be almost spherical and cartoonishly cute. Its eyes are looking up in the most adorable cheeky fashion.

Result



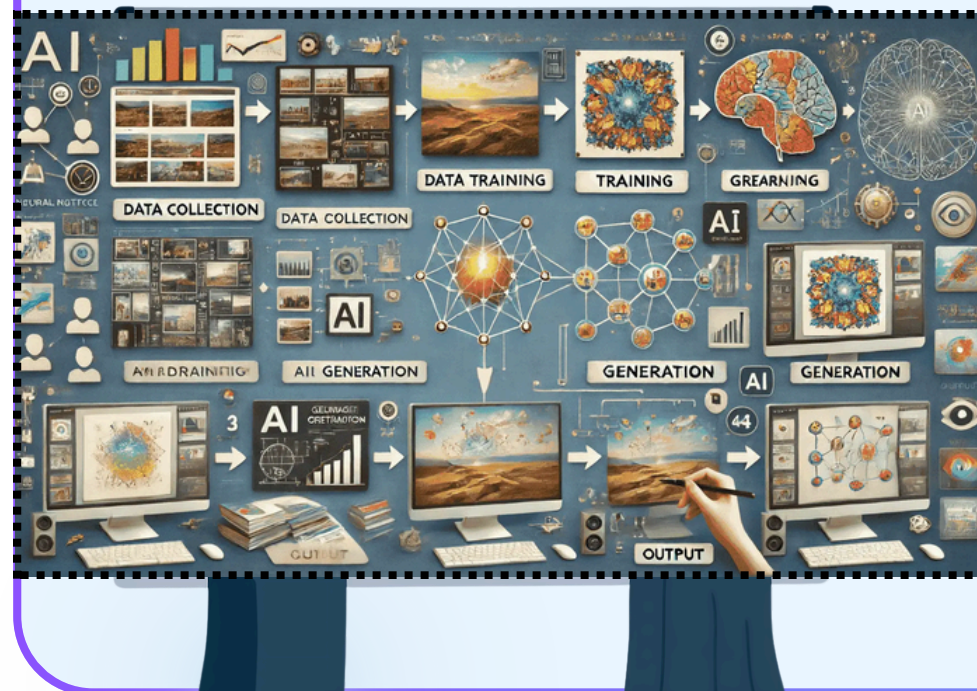
**Earlier, you needed drawing skills to create images. Now, you just need imagination and words.
AI helps students learn faster, easier, and smarter.**



What is AI image Generation ?

Simple Idea

You describe → AI draws"



Key Points

1. You type a description (prompt)
2. AI understands it
3. AI creates an image based on it

AI Image Generation = turning your imagination into pictures.

Example prompt :

A futuristic city with flying cars



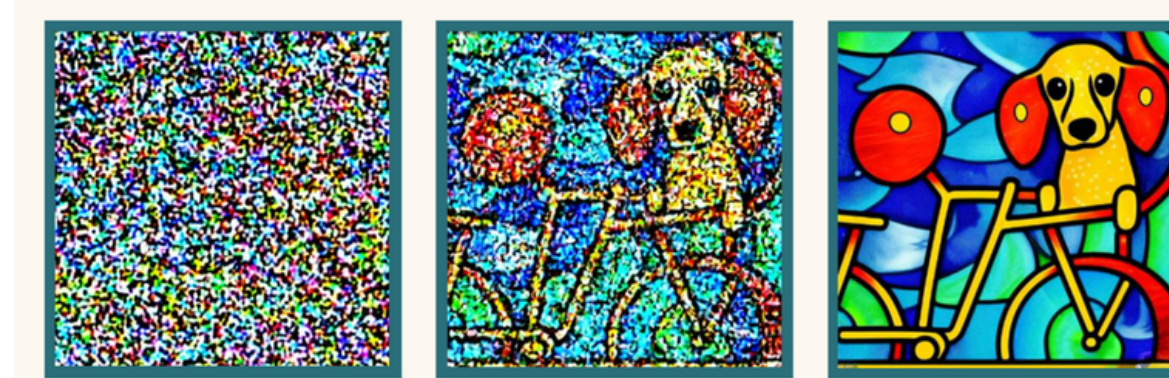
How AI Creates Images

Training (Learning Phase)

- AI studies millions of images + text
- Learns patterns like:
 - "Sky = blue"
 - "Dog = shape + fur + face"

1-You Give a Prompt

A colorful abstract painting of a dog riding a bicycle in a stained glass art style



2-AI breaks your text into parts:

- Abstract painting
- Dog
- Riding bicycle
- glass art style

Image Creation

AI starts with random noise (dots)
Slowly turns it into a clear image

Final Output

Combines everything → generates image

TEXT → AI UNDERSTANDS → BUILDS IMAGE → FINAL PICTURE



AI for Logo Design (Idea 2 Brand Identity)

Create professional logos in minutes using AI prompts

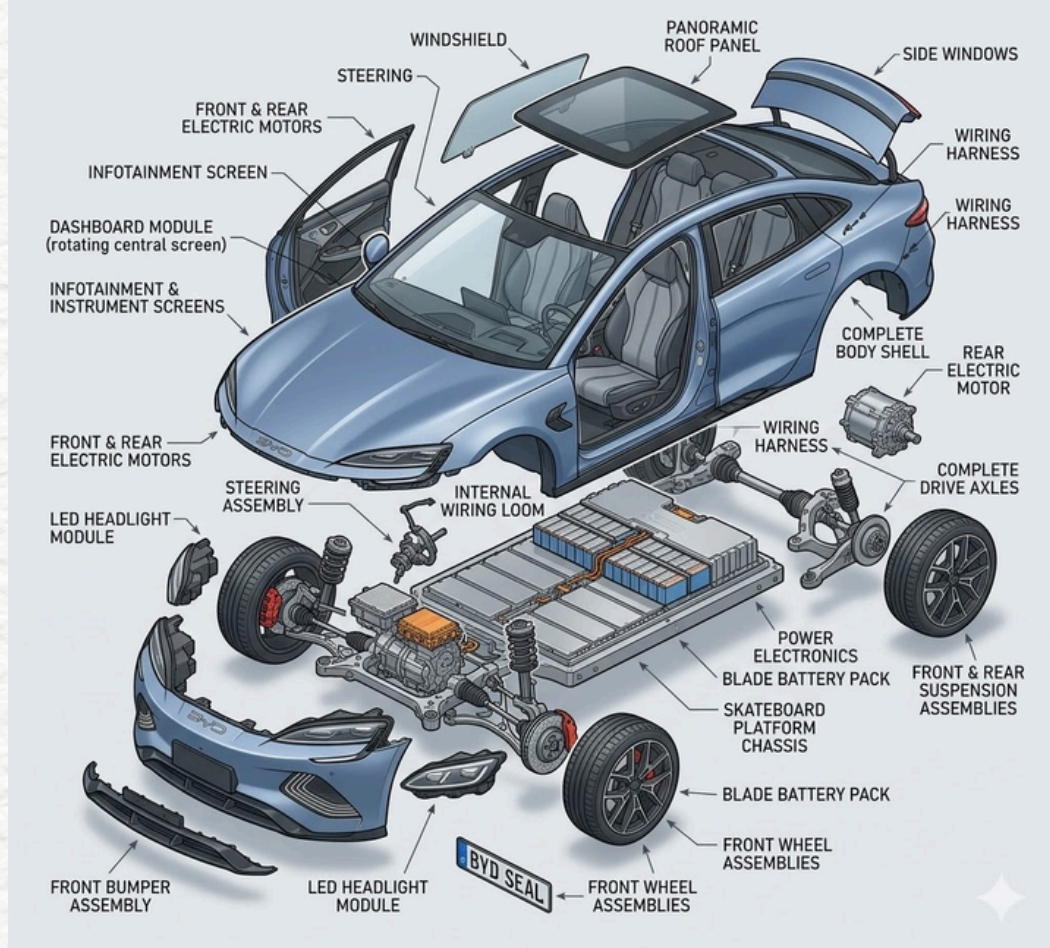
Create a vintage-style logo for a coffee shop named 'Code & Coffee'. The logo should evoke a sense of warmth, tradition, and craftsmanship. Use a color palette of browns, creams, and golds. Include elements like coffee beans, a coffee pot, or a hand-drawn typeface. The logo should appear timeless and inviting.



Create a sleek and modern logo for a tech startup named WebNep minimalist geometric shapes and a cool blue color scheme. Ensure the logo reflects innovation and cutting-edge technology, suitable for both digital and print media



BYD SEAL - TECHNICAL EXPLODED VIEW DIAGRAM



Creating Quality Product Images with AI

Turn simple photos into premium, sell-ready visuals

Create a technical exploded view diagram of a [SUBJECT] in 1080x1080 dimension. The device is deconstructed showing all individual components floating in space, separated from each other to reveal internal parts. Each major component is labeled with clean lines pointing to parts like screen, circuit board, battery, casing, buttons, etc. Isometric perspective, technical illustration style with soft shadows between parts. Light grey/white clean background. Educational infographic aesthetic similar to engineering blueprints or patent drawings. All parts aligned in logical assembly order showing how they fit together

Create A Single Photoshoot Of "[PRODUCT NAME]", vertical 9:16. Pure black background (#000000). No table, no plate, no stands, no extra props.

Now create with proper label names of each ingredient, vertical 9:16. Pure black background (#000000). No table, no plate, no stands, no extra props. A clean "exploded view



Enhancing Old Family Photos with AI

Bring memories back to life — without changing who they are

Enhance the portrait while strictly preserving the subject's identity with accurate facial geometry. Do not change their expression or face shape. Only allow subtle feature cleanup without altering who they are. Keep the exact same background from the reference image. No replacements, no changes, no new objects, no layout shifts. The environment must look identical. The image must be recreated as if it was shot on a Sony A1, using an 85mm f1.4 lens, at f1.6, ISO 100, 1/200 shutter speed, cinematic shallow depth of field, perfect facial focus, and an editorial-neutral color profile. This Sony A1+ 85mm f1.4 setup is mandatory. The final image must clearly look like premium full-frame Sony A1 quality. Lighting must match the exact direction, angle, and mood of the reference photo. Upgrade the lighting into a cinematic, subject-focused style: soft directional light, warm highlights, cool shadows, deeper contrast, expanded dynamic range, micro-contrast boost, smooth gradations, and zero harsh shadows. Maintain neutral premium color tone, cinematic contrast curve, natural saturation, real skin texture (not plastic), and subtle film grain. No fake glow, no runway lighting, no oversmoothing. Render in 4K resolution, 10-bit color, cinematic editorial style, premium clarity, portrait crop, and keep the original environmental vibe untouched. Re-render the subject with improved realism, depth, texture, and lighting while keeping identity and background fully preserved. **NEGATIVE INSTRUCTIONS:** No new background. No background change.



AI Double Exposure Portrait (Storytelling)

Turn a simple portrait into a powerful visual story

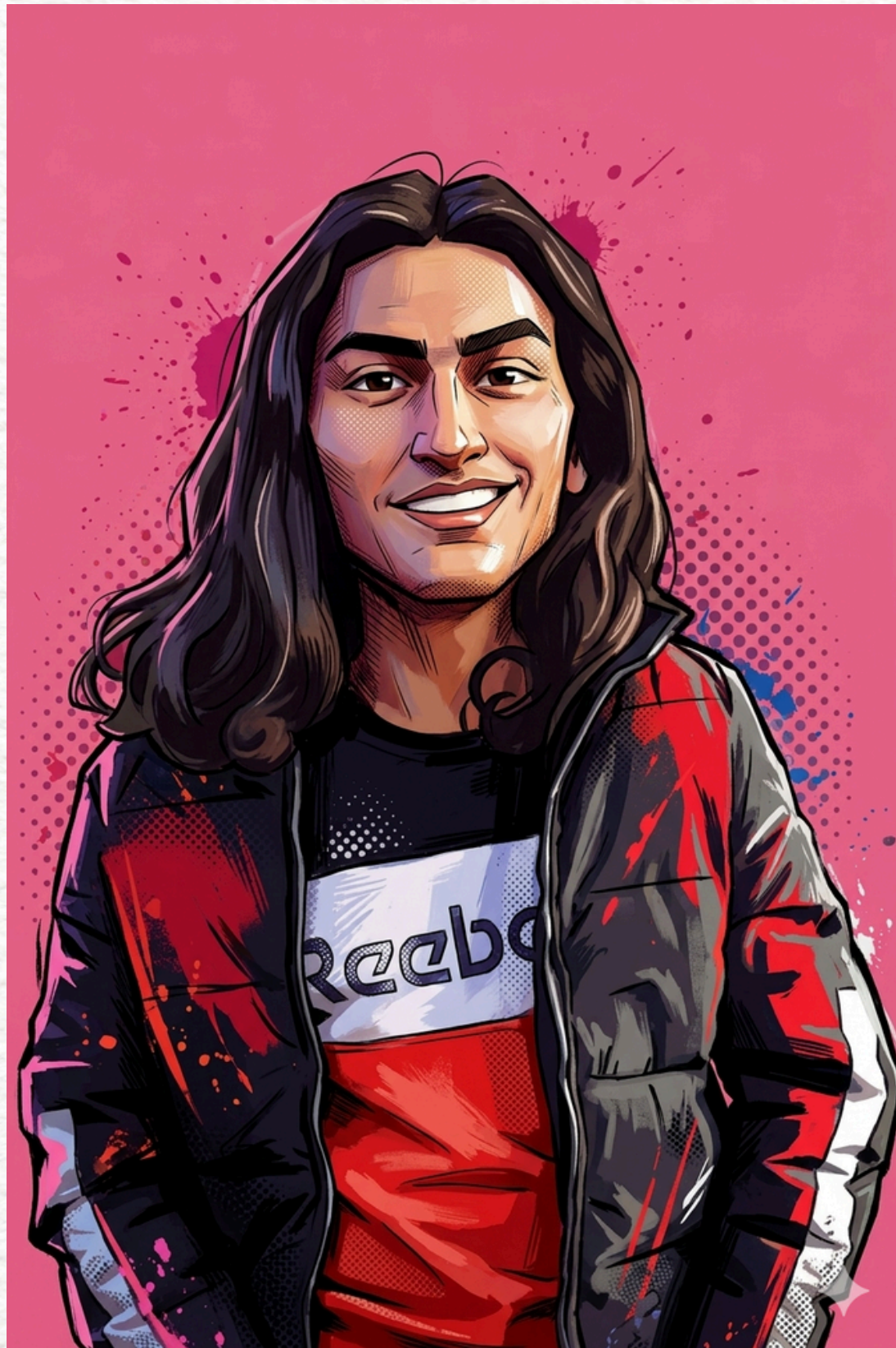
Use the uploaded picture as a reference (Strict identity lock, the face must match the attached reference photo exactly, preserving facial structure, skin tone, expression, and hairstyle (same haircut and hair texture) to create an ultra-realistic cinematic double exposure portrait of the person in a clean left-facing side profile, sharp jawline and natural facial structure clearly defined. The outer silhouette is dark and well-contoured against a soft warm beige sunset background. Inside the silhouette, seamlessly blend a dramatic urban street scene at golden hour: a lone same person walking forward in the center of an empty destroyed city road, symmetrical perspective lines, damaged buildings on both sides, broken debris scattered along sidewalks, electric poles and cables stretching into the distance. The sun positioned directly at the horizon behind the walking figure, creating strong backlight glow and long stretched shadow toward the camera. Warm orange sunlight flooding through the internal city scene, high contrast, cinematic depth, realistic textures, smooth blending edges between portrait and environment. Moody yet hopeful atmosphere, 8K resolution, sharp detail, soft vignette.



AI Cinematic Fashion Photoshoot

Create high-end editorial fashion images from a single photo using AI

8K ultra-photorealistic cinematic fashion shoot of the person as reference with a confident expression in a denim outfit against a solid deep red studio backdrop, full-body framing, random dynamic poses (standing, leaning, walking, mid-motion), a matte helmet, sometimes with a black bat, natural soft studio lighting, sharp textures, realistic shadows, editorial style, clean composition, depth, subtle film grain, color graded, no distortion, no clutter, high detail, cinematic tone, 85mm lens look



Stylized Cartoon Portrait

Transform a real face into bold, expressive visual art

A painterly exaggerated cartoon portrait combining sculpted 3D anatomy with hand-painted illustration textures, spider-verse inspired visual language, distorted facial geometry and expressive asymmetry, intentionally breaking realism while preserving general identity cues such as skin tone and hairstyle, bold line work mixed with painted shadows, halftone textures and color splashes graphic animated illustration aesthetic, solid pink studio background, frontal expressive pose, stylized lighting translated into brush-painted highlights, dynamic composition, rich paint texture and high-end hybrid cartoon render.



Stylized Cartoon Portrait

Transform a real face into bold, expressive visual art

A cute stylized 3D cartoon character as reference with big expressive eyes, soft smooth skin, and round facial features, wearing glasses and a casual striped t-shirt, holding a professional DSLR camera. The character is emerging through a torn paper hole in a clean white wall, with realistic ripped paper edges and depth. Behind the hole is a bright blue gradient background, creating contrast. The character is smiling directly at the viewer, vibrant and friendly mood, Pixar-style rendering, ultra-detailed textures, soft studio lighting, high realism, 8K resolution.



AI 3D Designer Toy Portraits

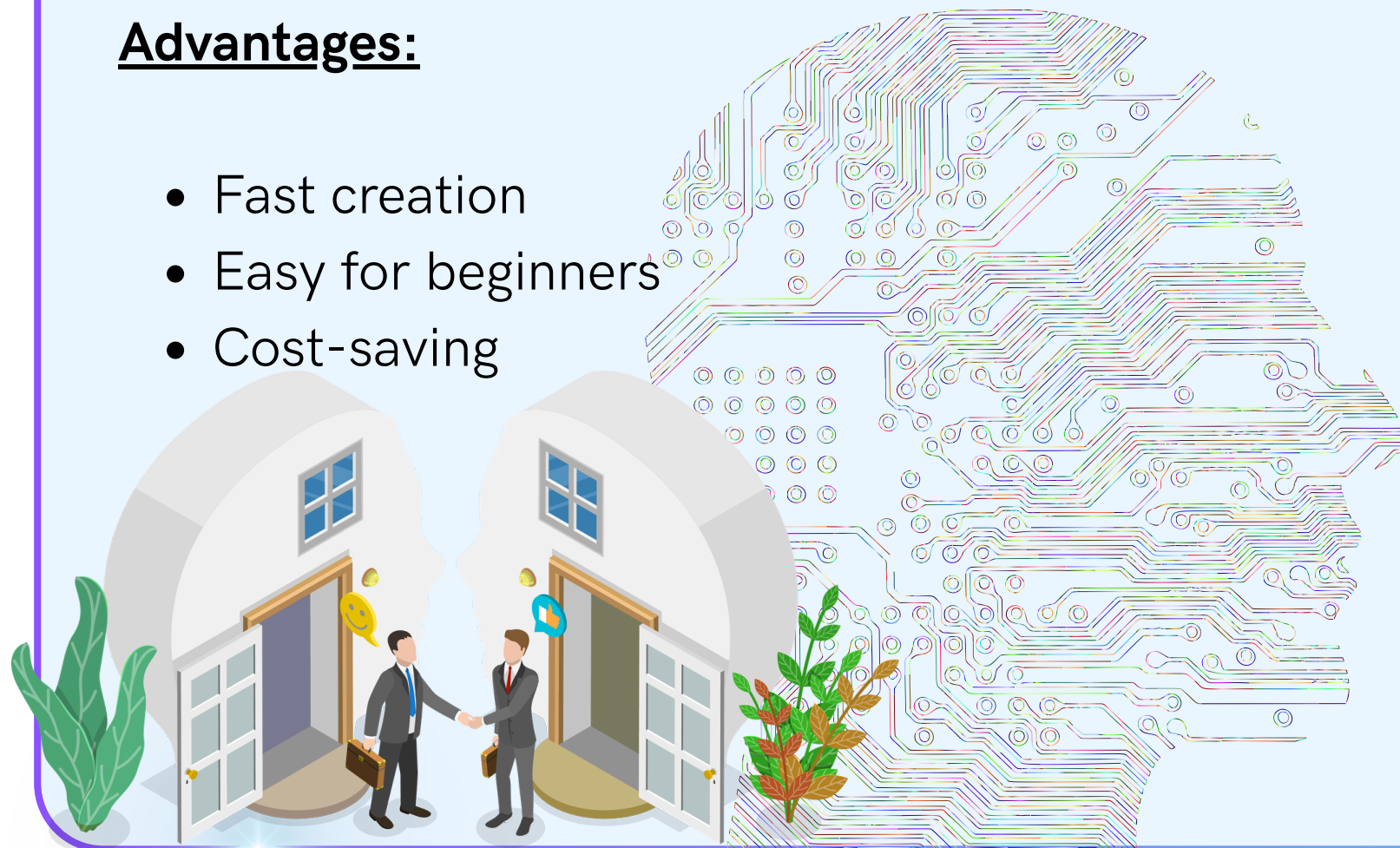
Turn real faces into glossy collectible vinyl-style characters using AI

Create a premium glossy 3D "designer toy" render of the subject(s) using the uploaded image as the only reference. Render one floating head per person (no duplication), cropped cleanly below the jaw with a visible neck and full head comfortably framed. Style: high-quality vinyl figure with ultra-smooth, simplified forms, rounded volumes, and strong glossy reflections across key facial areas. Hair should be sculpted, glossy, and stylized, with embedded playful accessories. Include oversized retro wraparound sunglasses with vibrant, matching frame/lens colors. Use strong studio lighting with pronounced highlights. Background: blue sky with soft clouds.

Advantages & Limitations of AI Images

Advantages:

- Fast creation
- Easy for beginners
- Cost-saving



Limitations:

- Can be inaccurate sometimes
- Needs good prompts
- Not fully human creativity



Responsible Use of AI

- Don't misuse real people's identity
- Respect copyright and originality
- Use AI as a tool, not a replacement for learning
- Be creative but ethical

