

Smarter technology for all

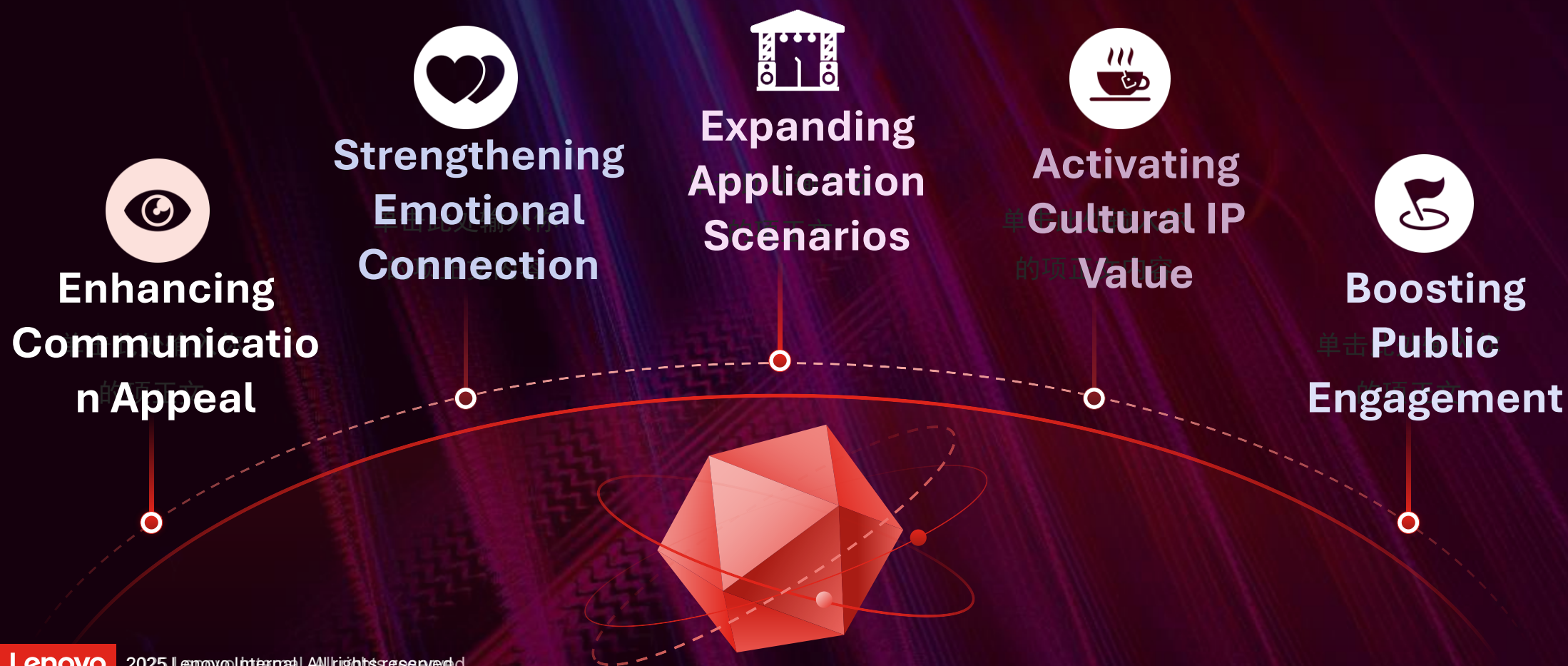
Mascot AI



Based on Multimodal of SightAI

Lenovo

Why Animation Mascots ?



What Does Mascot AI DO?



AI Character Generation

Neural Rendering

- Convert images or text prompts into animated 3D characters using neural networks

Latent Space Mapping

- Apply prompt inversion techniques coupled with state-of-the-art vision models for consistent character design across scenes

Prompt-to-Model Pipeline

- Transform text into character assets rapidly using multimodal AI.



Motion Video Creation

Temporal Sync

- Ensure smooth animations with RNNs for frame consistency.

Audio-Visual Sync

- Align lip movements and gestures using audio-to-motion AI

Scene Composition

- AI manages camera angles and pacing for cinematic flow.



Background Integration

Scene Generation

- Generate 3D backgrounds using diffusion models.

Style Transfer

- Merge background aesthetics with character design seamlessly.

Contextual Rendering

- Adjust lighting and effects based on scene context.

Sight AI Architecture

Scenario

Computer Vision

PicVidChat

Multimodal KB

AI Avatar

Video Optimization

AI Creation

AI Multimodal Agent

Capabilities

Content Generation

- ❑ Text-to-Image
- ❑ Text-to-Video
- ❑ Image-to-Image
- ❑ Image-to-Video

Understanding & Cognition

- ❑ Image Understanding
- ❑ Video Understanding
- ❑ Object Recognition
- ❑ Quality Inspection

Multimodal Fusion

- ❑ AI Avatar
- ❑ Knowledge base
- ❑ Real-time Translation

Multimodal Creation

- ❑ AI Dressing
- ❑ Image Optimization

Content Msmg

- ❑ Sharing
- ❑ Tagging
- ❑ Indexing

Performance

- ❑ Evaluation
- ❑ Scoring
- ❑ Optimization Suggestions

Functions

PicVidChat

Voice Cloning

Image Recognition

Video Generation

Skeleton Driven

Upload

Storage

Access Control

Translation

Text-to-Speech

Image Retrieval

Quality Optimization

Sentiment Analysis

Tagging

Sharing

Security

Modal

Deepseek

Chat GLM

Wispter

SVD

Ali Qwen

Baidu ERNIE Bot

OpenAI GPT

AWS Claude

YOLO

SoVITS

LLAMA

BLIP

IFLYTEK SPARK

Kimi Chat

Google gemini

MS Coplite

Infras- tructure

Storage

Computing

GPU/NPU

Network

Security

Data

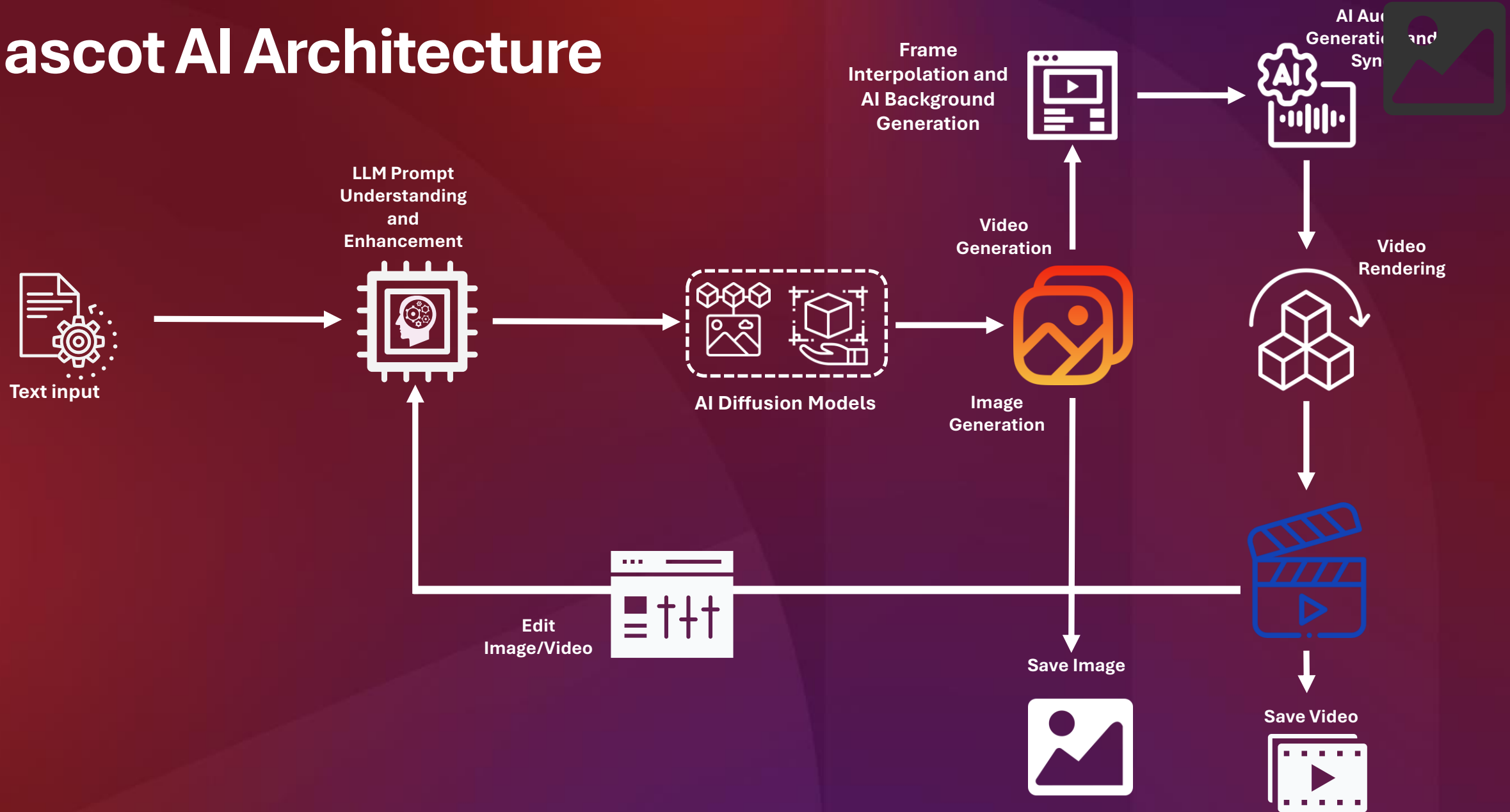
Text

Audio

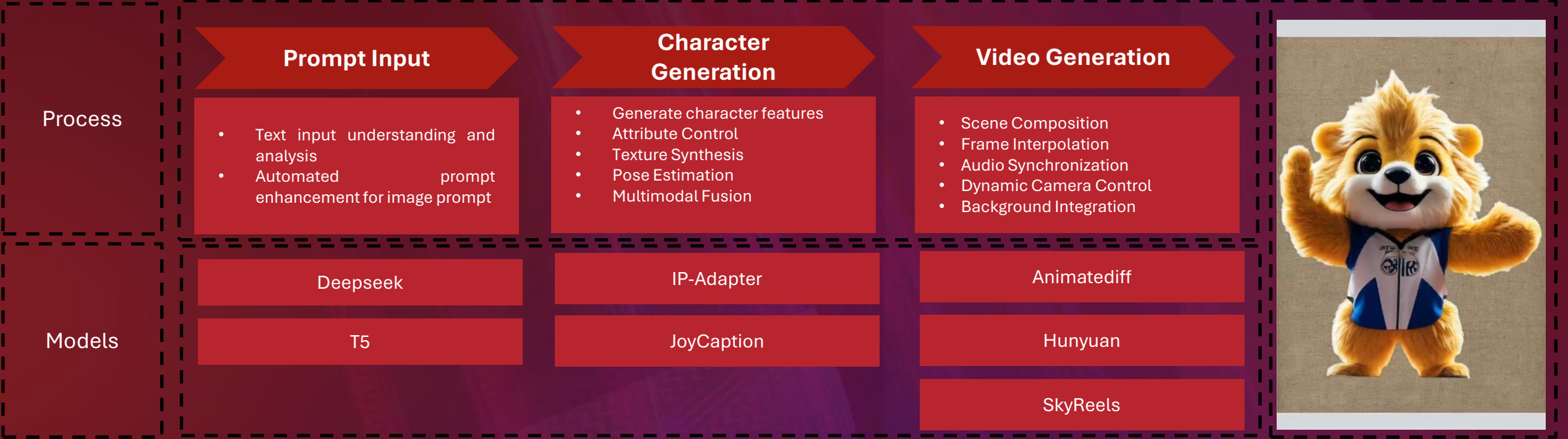
Image

Video

Mascot AI Architecture



Mascot AI Workflow



Why Mascot AI?



Rapid Content Creation

Generate 3D animations in minutes using AI-driven workflows, reducing production time by up to 80% compared to traditional methods.



Cost Efficiency

Lower production costs by minimizing the need for extensive manual animation work and leveraging AI-powered automation.



Scalability and Flexibility

Easily adapt character designs, motion sequences, and backgrounds across multiple projects using reusable AI-generated assets.

Benefits of Mascot AI

Accelerated Time-to-Market

Deliver animations faster, allowing quick response to market trends and new opportunities.



Operational Cost Reduction

Cut costs by automating animation tasks and optimizing resources.

Content Customization at Scale

Create diverse animations to engage different audiences and expand reach



Enhanced Creative Flexibility

Adapt character designs to maintain consistent storytelling.

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thanks.