



High-quality Visual Storytelling for creative enterprises

Problems

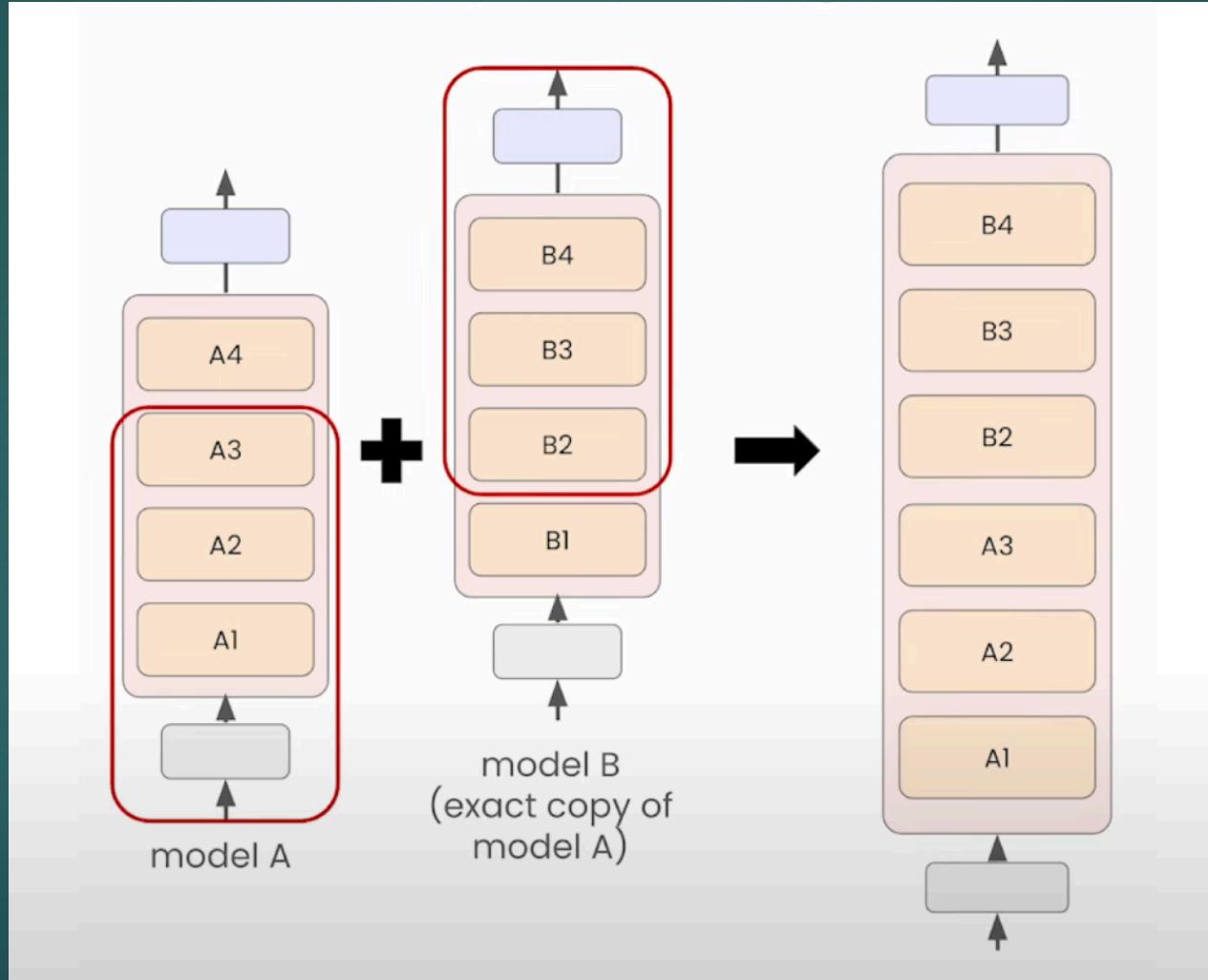
- ▶ Current image generation models do not support multiple characters with face consistency and multiple objects with specific characteristics
- ▶ Slow In-painting, Hallucinations with detailed prompts
- ▶ Tough to fix specific local inaccuracies

- ▶ Too many granular settings and Highly complex UI
 - ▶ Require several hours to input and modify parameters
- ▶ Too much Prompt engineering is required
- ▶ Requires hours of post-processing

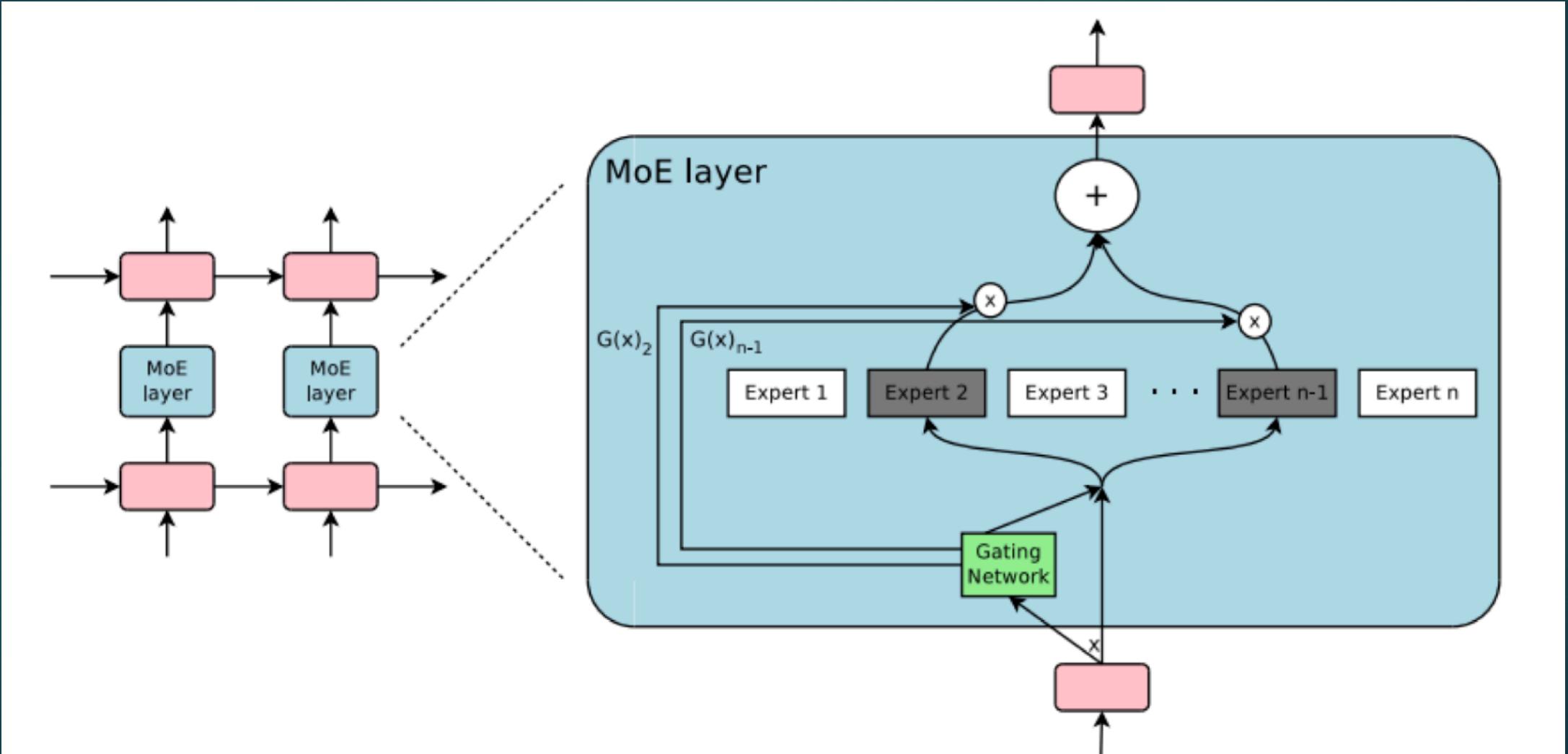
Our Technology

- ▶ New algorithmic innovations: Model Merging with MoE, DUS and LoRA
 - ▶ Avoids costly pre-training
 - ▶ Re-use layers from existing models to improve quality
 - ▶ Much better understanding of complex natural language prompts
- ▶ Fast LoRA creation with just four examples
- ▶ Proprietary LLM for automatic prompt enhancement, including creative variants
- ▶ Automatic detection of a myriad of settings from the input natural language prompt

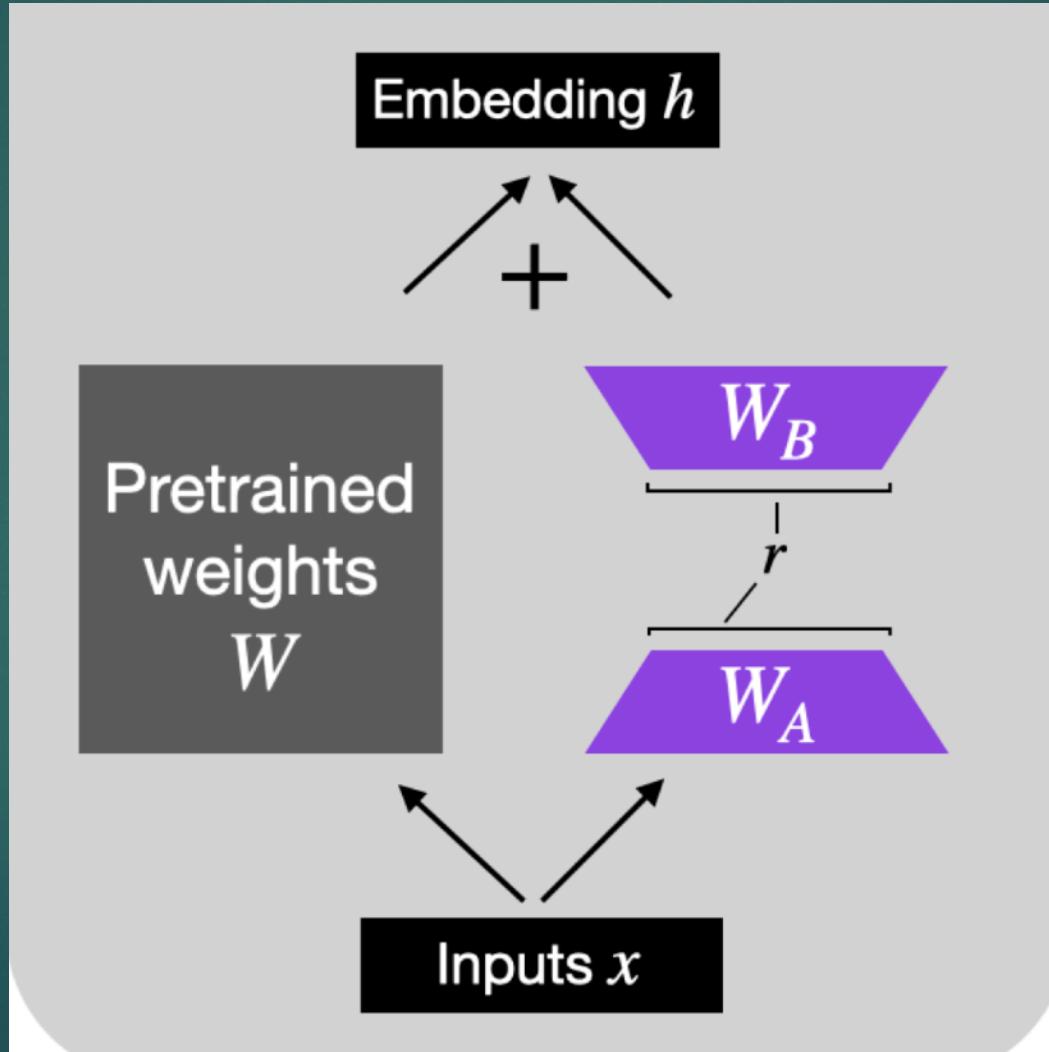
Depth Upscaling



Mixture of Experts



PeFT with LoRA



Best prompt adherence



Without our technology



With our technology

Prompt: 3d animated style anthropomorphic broccoli wearing sunglasses relaxed on a pink sanded beach, tropical trees blow in the background and the broccoli is holding a drink

Text accuracy



Without our technology



With our technology

Prompt: A giant floating island in the sky, covered with lush greenery and waterfalls cascading down the sides. A large, ornate sign in the center of the island reads 'Welcome to paradise' in elegant cursive.

LoRA examples



Efficient LoRA creation with face and character consistency
In different artistic styles

Automatic Style transfer



Automatic style transfer with 'color theme detection' and 'artistic prompt expansion'

Unique Features and Use cases

- ▶ Multiple characters and objects with interactions
 - ▶ Storyboarding, 6 second animations
 - ▶ Multiple faces with face consistency
- ▶ Live Image2Image and In-painting applications
 - ▶ Very rough sketch to a detailed image and 6-second videos
 - ▶ Automatic pose and style detection and transfer
- ▶ Built-in and pre-trained
 - ▶ LoRAs for common characters, objects and poses
 - ▶ Styles for artistic expression — Watercolor, oil color, line art, pen sketch
 - ▶ Local to global up-scalers
- ▶ Saves hundreds of hours of manual work every week

Potential Customers



**ILLUMINATION
ENTERTAINMENT**



MARVEL



Current Team

- ▶ Dr. Shiva Kintali — Founder & CEO
- ▶ Three Machine Learning Engineers
- ▶ Two Full stack developers
- ▶ One designer

Founder & CEO

Dr. Shiva Kintali
shivakintali.org



Artist, Computer Scientist, Ex-Lecturer at Princeton University

R&D in Generative AI, Low latency LLMs, Diffusion models, Deep learning

25 years of industry and academic experience



PRINCETON
UNIVERSITY



USC University of
Southern California



INDIAN
INSTITUTE OF
TECHNOLOGY
KHARAGPUR

Hand-drawn art



I made these paintings without using AI. Some of the insights I gained while making these paintings layer by layer were extremely useful in designing and optimizing our AI models and algorithms.



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