

- Research & Summarize

Sora is an AI developed by **American artificial intelligence research and deployment company** (open AI), the company who created chatgpt. Basically Sora AI converts text from our natural language to a video but it limits the user to create long videos. It can only generate short videos of about 20 seconds. Initially sora was only meant to be convert text to video and image to video of 20 seconds but now after modification and upgradation, it can generate videos upto 60 seconds with resolution of 1080p, it supports you to generate videos in multiple ratios like 9:16, 16:9, 1:1, 3:4 etc. In its previuos version there was an issue of intersection of objects in videos but now they corrected it and also gave more options like video forwards/backwards, remixing, blending, and seamless looping.

Interestingly, Sora and DALL-E both are created by the same organization known as Open AI but the major difference is **Sora** specializes in AI-driven video generation and editing from textual and visual inputs with a technical focus on video coherence and editing. **DALL-E** focuses exclusively on generating high-quality digital images from text prompts. On the other hand Pika Labs and RunwayML were two different AIs developed by different people.**Pika Labs** is an emerging company providing accessible AI video generation aimed at creators without technical

complexity while **RunwayML** is a versatile creative AI platform offering various AI tools across video, image, and audio editing to support professional creatives and industries.

Sora's ability to make realistic videos is exciting, but it also brings some serious ethical concerns. For example, people might use it to create videos that look real but are actually fake or misleading. That's why it's really important to clearly label any videos created by AI so everyone knows what they're seeing.

There are also worries about privacy and consent—people's images or voices could be used without their permission. Plus, there's the risk of copying someone else's creative work, or the AI unintentionally making biased or harmful content. While Sora has the potential to change jobs in creative fields—possibly replacing some but also creating new opportunities—it's vital to use these tools carefully and make sure there are clear rules about what's allowed. In short, as AI video tools like Sora become more common, we need to use them thoughtfully and set responsible guidelines to help prevent problems.

- Prompt Engineering Practice

1. A flock of birds moving towards the Aurora Borealis at night.
2. A group of students learning in the ecofriendly classroom.
3. 3x3 cube showing different types of natural beauty.
4. An advanced AI system or machines working in factories and farms.
5. construction of an advanced high tech building is ongoing.

