

Varya AI Model

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Varya AI Model Latest News

Recently, Avataar.ai, an artificial intelligence (AI)-native transformation company has launched the Varya AI model.

About Varya AI Model

- It is a **distilled video model** built to make frontier video AI affordable, accessible and relevant for India's next generation of users.
- It is **developed with support from the IndiaAI Mission.**
- **Features**
 - **Technique used:** Varya uses a **distillation technique** that reduces video generation from 50 steps to 4 steps, while maintaining comparable output quality.
 - **Cost:** It can generate **video at ₹0.48 per second**, making it upto 10x more cost-efficient than several leading global video models.
- **Working**
 - Users can either **enter a text prompt or upload an image.**

- The **model then generates a video clip**, and users can continue extending the sequence by generating additional clips.

- **Potential Uses-case**

- **Education:** A teacher can create a visual lesson in a village classroom.
- **Industry:** MSME use it for creating product ads,
- **Governance:** Citizens can access public information through video.

What is Distilled Video Generation?

- It is a **model compression technique from machine learning** where a compact “student” model replicates the outputs of a larger, slower “teacher” model transferring capabilities while **eliminating redundant computation**.
- Standard video models iterate through over 50 noisy steps before producing clean output; distillation teaches the student to skip most steps and deliver the same quality in just a few iterations.

Source: PIB

Source: <https://vajiramandravi.com/current-affairs/varya-ai-model/>

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