

YOUTUBE MADE EASY: GEMINI'S AI SUMMARIZES VIDEOS IN THE BLINK OF AN EYE

Applications - Part 6
(Google Gemini)

**GENERATIVE AI
FOR ALL**

 **DINESHLAL**



DINESH LAL
(DIRECTOR, DATA SCIENCE)



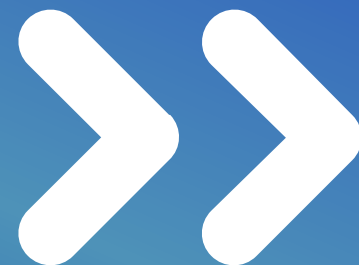
WHAT IS COVERED IN THE DOCUMENT

- In this document we will discuss Generative AI use case in **Youtube Video Summarization**
- First we will discuss how Youtube summarization can be a game changer application
- Then we will see how to use **Gemini** on Web browser (Computers) to summarize video
- We will further cover the Youtube video summarization on Android App
- Lastly similar video suggestion is also discussed





- **Save Time:** Quickly grasp the main points of a video without watching the entire thing.
- **Improved Comprehension:** Understand complex topics more easily with concise summaries.
- **Enhanced Productivity:** Efficiently consume information and make informed decisions.
- **Accessible Learning:** Overcome language barriers and cater to different learning styles.
- **Personalized Experience:** Tailor content consumption to individual preferences and needs.



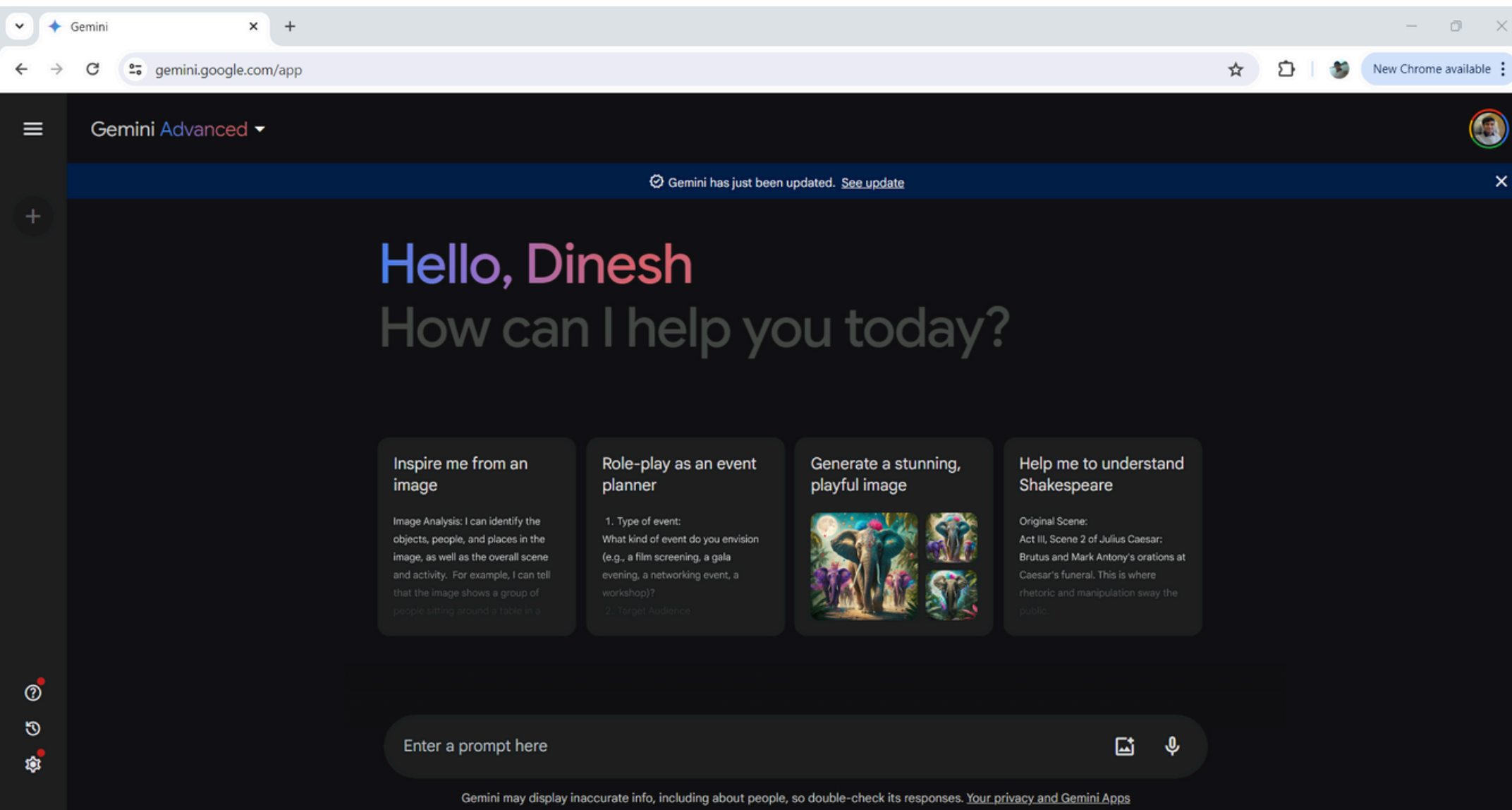
Summary on Web Browser (PC/ Laptops):

In the next few pages we will learn how to summarize YouTube Video, with an example video on “Google I/O 2024 Keynote: Sundar Pichai opening remarks”

YouTube Link: <https://www.youtube.com/watch?v=7qP-8H1OOWIa>

1.

OPEN GEMINI BY FOLLOWING [HTTPS://GEMINI.GOOGLE.COM/](https://gemini.google.com/)



The screenshot shows a Chrome browser window with the Gemini Advanced interface. The address bar displays gemini.google.com/app. The page header includes a hamburger menu, the text "Gemini Advanced", and a user profile icon. A notification banner states "Gemini has just been updated. See update". The main content area features a personalized greeting: "Hello, Dinesh" followed by "How can I help you today?". Below this are four interactive cards:

- Inspire me from an image**: Image Analysis: I can identify the objects, people, and places in the image, as well as the overall scene and activity. For example, I can tell that the image shows a group of people sitting around a table in a...
- Role-play as an event planner**: 1. Type of event: What kind of event do you envision (e.g., a film screening, a gala evening, a networking event, a workshop)? 2. Target Audience
- Generate a stunning, playful image**: A grid of four colorful, fantastical images featuring elephants and other creatures.
- Help me to understand Shakespeare**: Original Scene: Act III, Scene 2 of Julius Caesar: Brutus and Mark Antony's orations at Caesar's funeral. This is where rhetoric and manipulation sway the public.

At the bottom, there is a text input field with the placeholder "Enter a prompt here" and icons for image upload and voice input. A footer note reads: "Gemini may display inaccurate info, including about people, so double-check its responses. [Your privacy and Gemini Apps](#)".

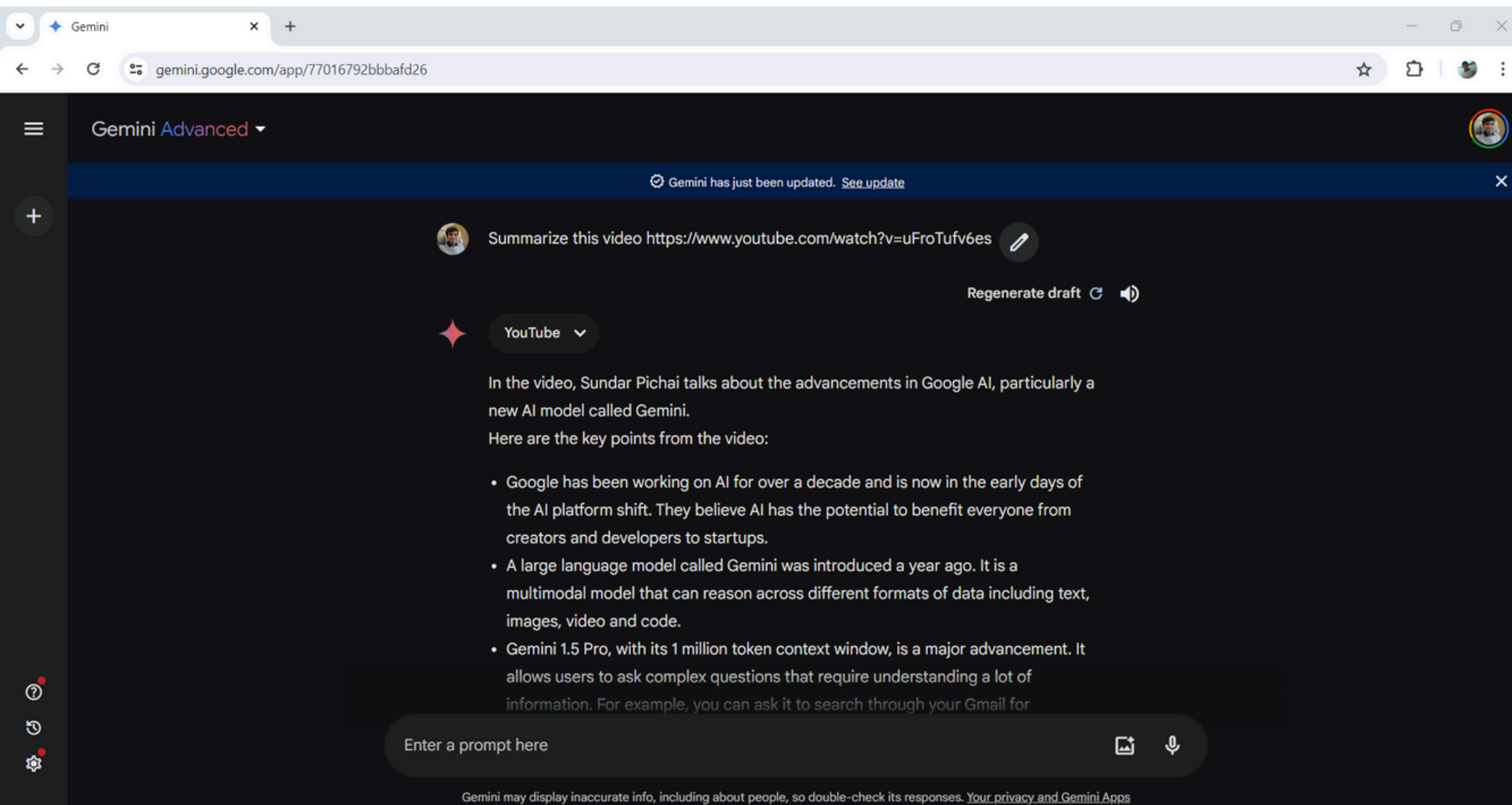
2. WRITE PROMPT WITH YOUTUBE LINK TO SUMMARIZE

The screenshot shows the Gemini AI web interface. At the top, a notification states "Gemini has just been updated. See update". The main heading reads "Hello, Dinesh" followed by "How can I help you today?". Below this are four interactive cards:

- Help me write HTML, CSS, and JS**: Shows a code snippet for an HTML document structure.
- Help me to understand Shakespeare**: Provides a summary of Act III, Scene 2 of Julius Caesar.
- Role play as a character from a novel**: Offers a role-play scenario as a character from a novel.
- Inspire me from an image**: Describes an image analysis function that identifies objects and scenes.

At the bottom, a text input field contains the prompt: "Summarize this video <https://www.youtube.com/watch?v=uFroTufv6es>". To the right of the input are icons for image upload, voice input, and a play button. A footer note states: "Gemini may display inaccurate info, including about people, so double-check its responses. [Your privacy and Gemini Apps](#)".

3. GEMINI SHARES A VERY NICE AND CONCISE SUMMARY



The screenshot shows the Gemini AI web interface. At the top, there's a notification: "Gemini has just been updated. See update". Below that, a user prompt asks to summarize a YouTube video. The AI response provides a concise summary of the video's content, including key points about Google's AI advancements and the introduction of Gemini.

Summarize this video <https://www.youtube.com/watch?v=uFroTufv6es>

Regenerate draft

YouTube

In the video, Sundar Pichai talks about the advancements in Google AI, particularly a new AI model called Gemini.

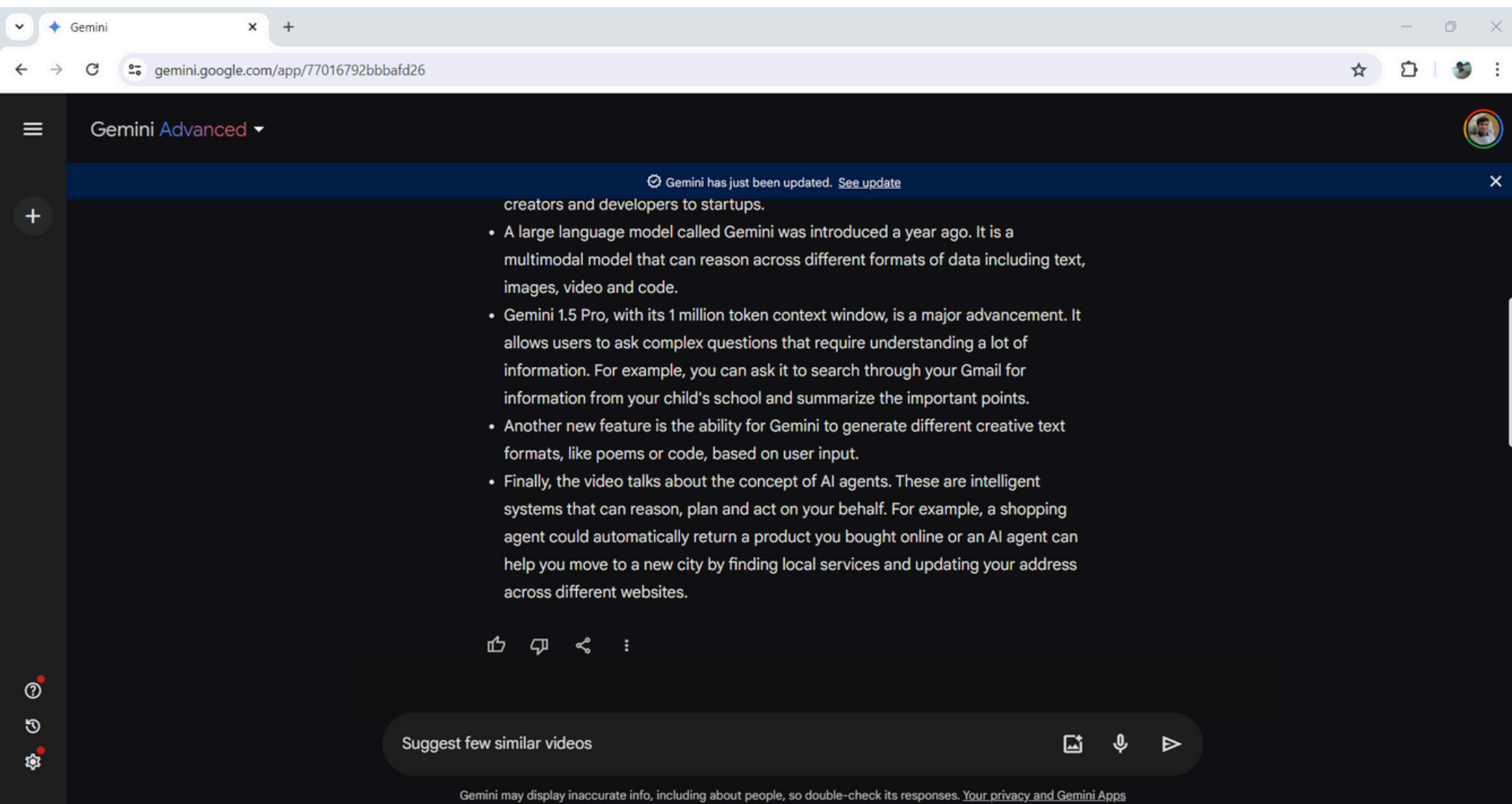
Here are the key points from the video:

- Google has been working on AI for over a decade and is now in the early days of the AI platform shift. They believe AI has the potential to benefit everyone from creators and developers to startups.
- A large language model called Gemini was introduced a year ago. It is a multimodal model that can reason across different formats of data including text, images, video and code.
- Gemini 1.5 Pro, with its 1 million token context window, is a major advancement. It allows users to ask complex questions that require understanding a lot of information. For example, you can ask it to search through your Gmail for

Enter a prompt here

Gemini may display inaccurate info, including about people, so double-check its responses. [Your privacy and Gemini Apps](#)

4. ASK GEMINI TO SUGGEST SIMILAR VIDEOS

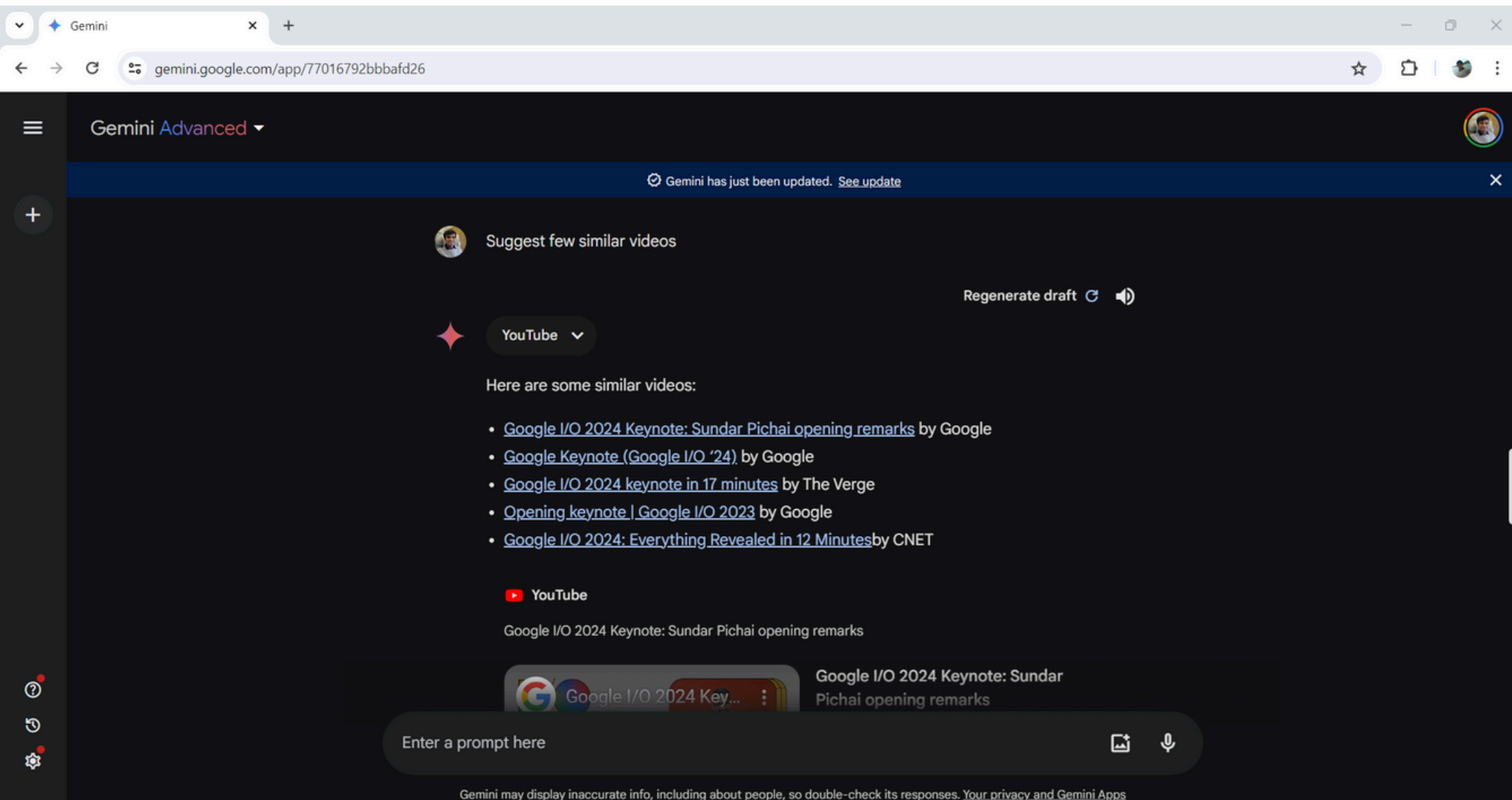


The screenshot shows a web browser window with the Gemini AI interface. The address bar displays the URL `gemini.google.com/app/77016792bbbfad26`. The page title is "Gemini Advanced". A notification at the top states "Gemini has just been updated. See update". The main content area displays a video player with a list of bullet points:

- A large language model called Gemini was introduced a year ago. It is a multimodal model that can reason across different formats of data including text, images, video and code.
- Gemini 1.5 Pro, with its 1 million token context window, is a major advancement. It allows users to ask complex questions that require understanding a lot of information. For example, you can ask it to search through your Gmail for information from your child's school and summarize the important points.
- Another new feature is the ability for Gemini to generate different creative text formats, like poems or code, based on user input.
- Finally, the video talks about the concept of AI agents. These are intelligent systems that can reason, plan and act on your behalf. For example, a shopping agent could automatically return a product you bought online or an AI agent can help you move to a new city by finding local services and updating your address across different websites.

Below the video player, there are social media sharing icons (like, comment, share, and more) and a button labeled "Suggest few similar videos". At the bottom of the interface, a disclaimer reads: "Gemini may display inaccurate info, including about people, so double-check its responses. [Your privacy and Gemini Apps](#)".

5. GEMINI SHARES VERY RELEVANT AND SIMILAR VIDEOS



The screenshot displays the Gemini AI web interface. At the top, a notification bar states "Gemini has just been updated. See update". Below this, a prompt area contains the text "Suggest few similar videos" and a "Regenerate draft" button. A dropdown menu is set to "YouTube". The interface then lists "Here are some similar videos:" followed by five video suggestions:

- [Google I/O 2024 Keynote: Sundar Pichai opening remarks](#) by Google
- [Google Keynote \(Google I/O '24\)](#), by Google
- [Google I/O 2024 keynote in 17 minutes](#) by The Verge
- [Opening keynote | Google I/O 2023](#) by Google
- [Google I/O 2024: Everything Revealed in 12 Minutes](#) by CNET

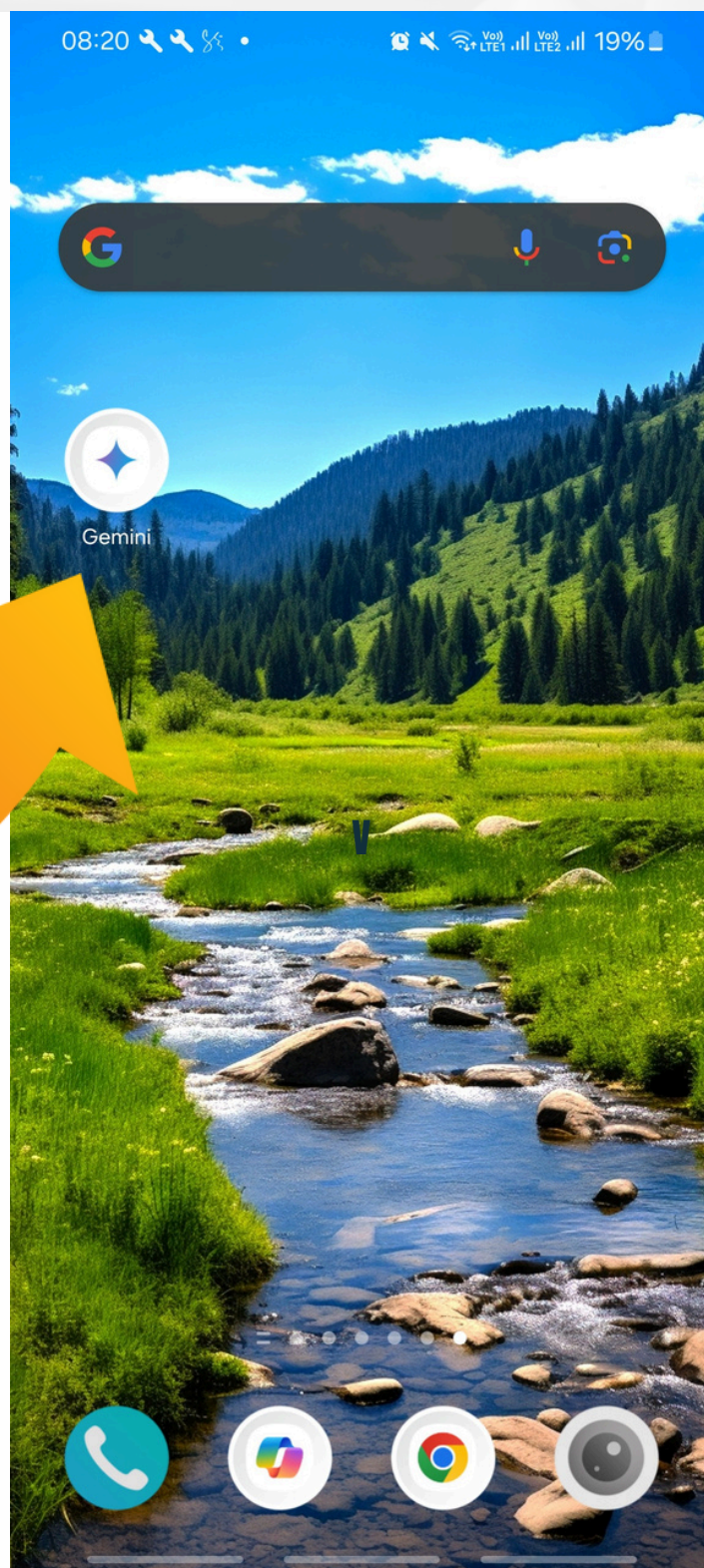
Below the list, a YouTube video player is shown with the title "Google I/O 2024 Keynote: Sundar Pichai opening remarks". At the bottom, there is a text input field with the placeholder "Enter a prompt here" and a microphone icon. A footer note reads: "Gemini may display inaccurate info, including about people, so double-check its responses. Your privacy and Gemini Apps".

Summary on Android App: In the next few pages we will learn how to summarize YouTube Video, with an example video on “How will AI reshape our economy and the workforce?”

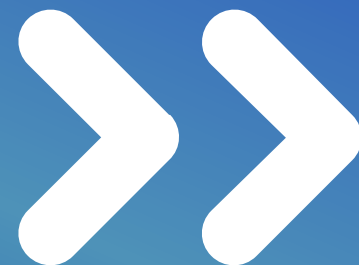
YouTube Link: <https://www.youtube.com/watch?v=pstksWRHJ5Y>

1.

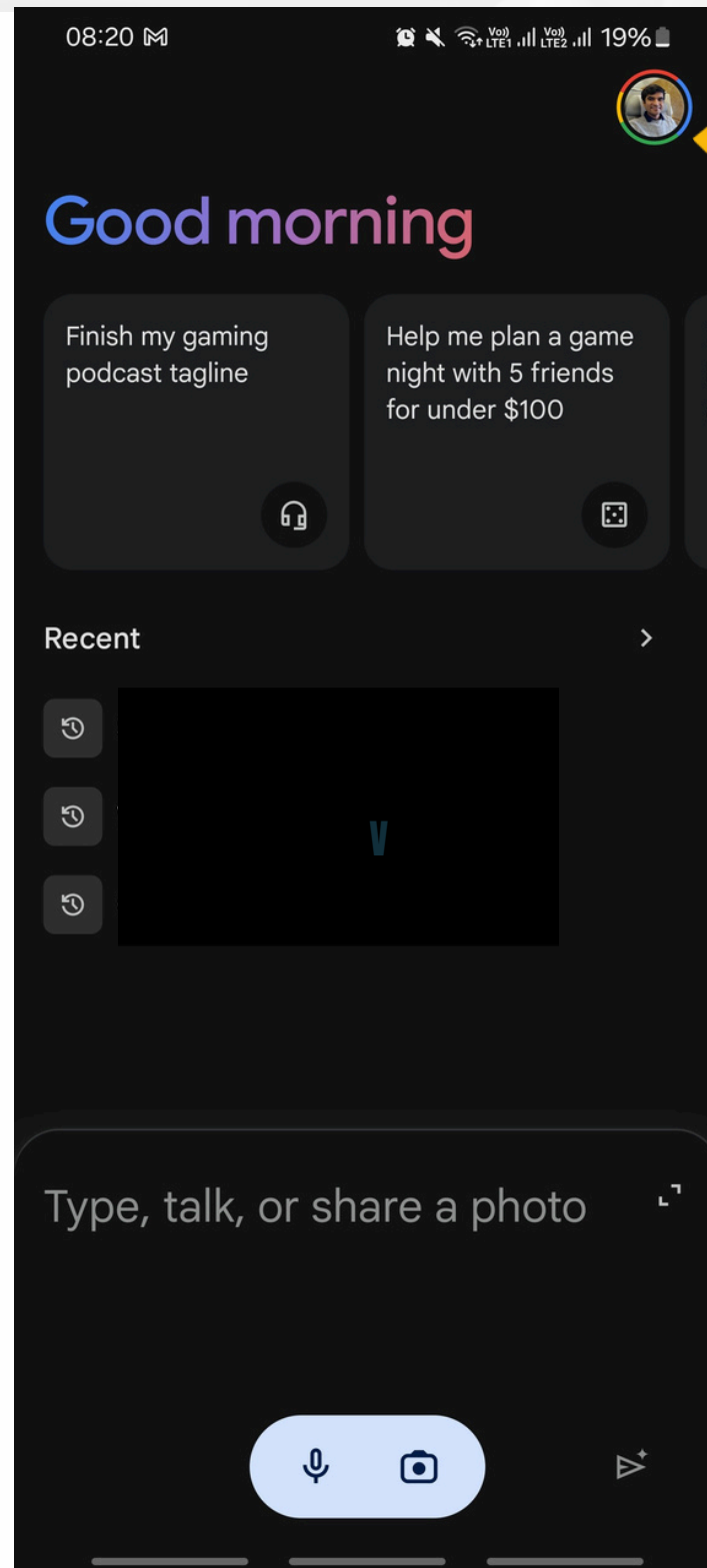
OPEN GEMINI APP



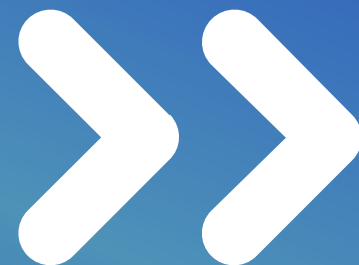
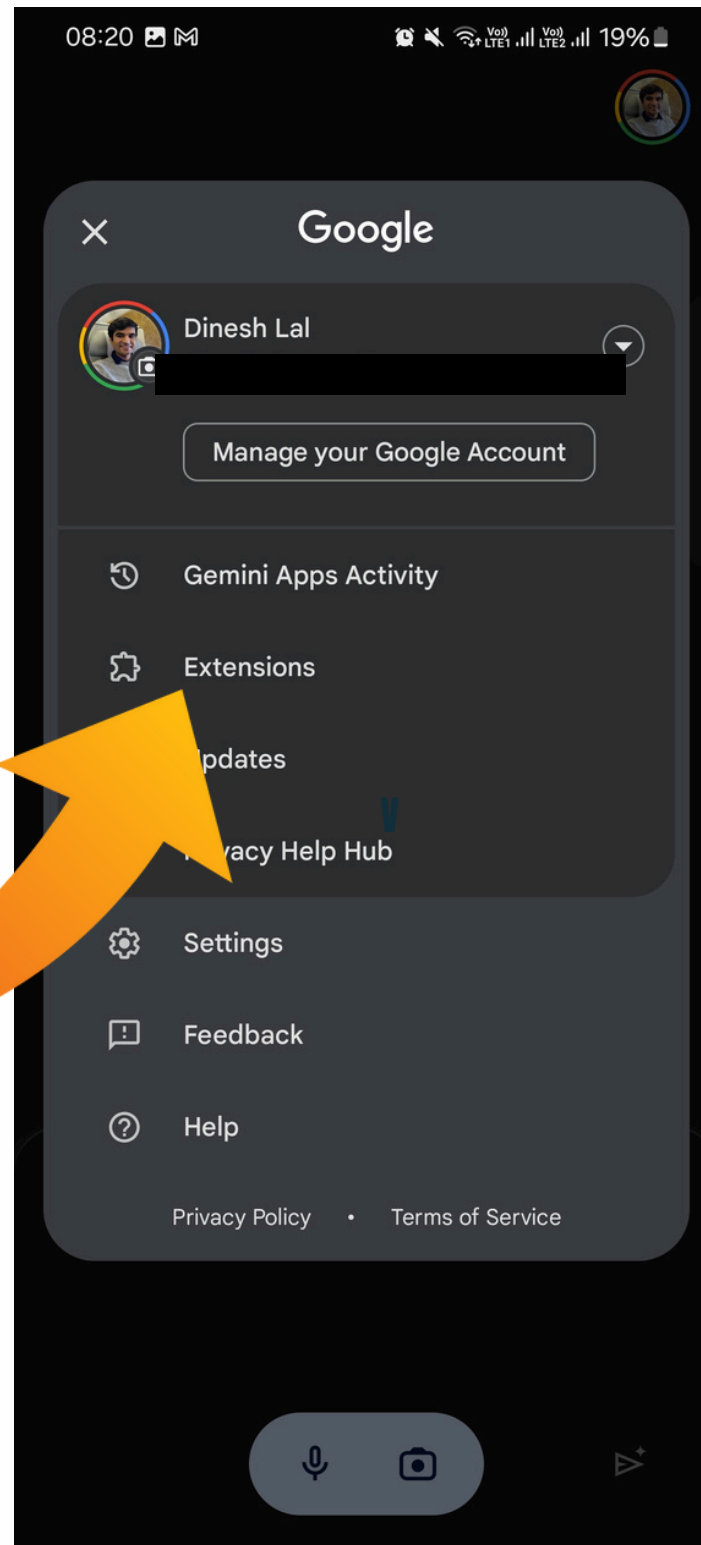
APP LINK :
[HTTPS://PLAY.GOOGLE.COM/STORE](https://play.google.com/store/apps/details?id=com.google.android.apps.barD&pcampaignid=web_share)
[/APPS/DETAILS?](https://play.google.com/store/apps/details?id=com.google.android.apps.barD&pcampaignid=web_share)
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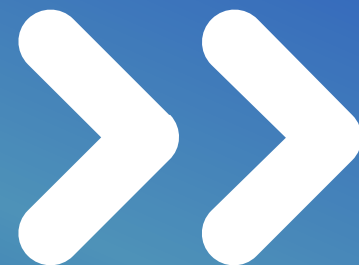
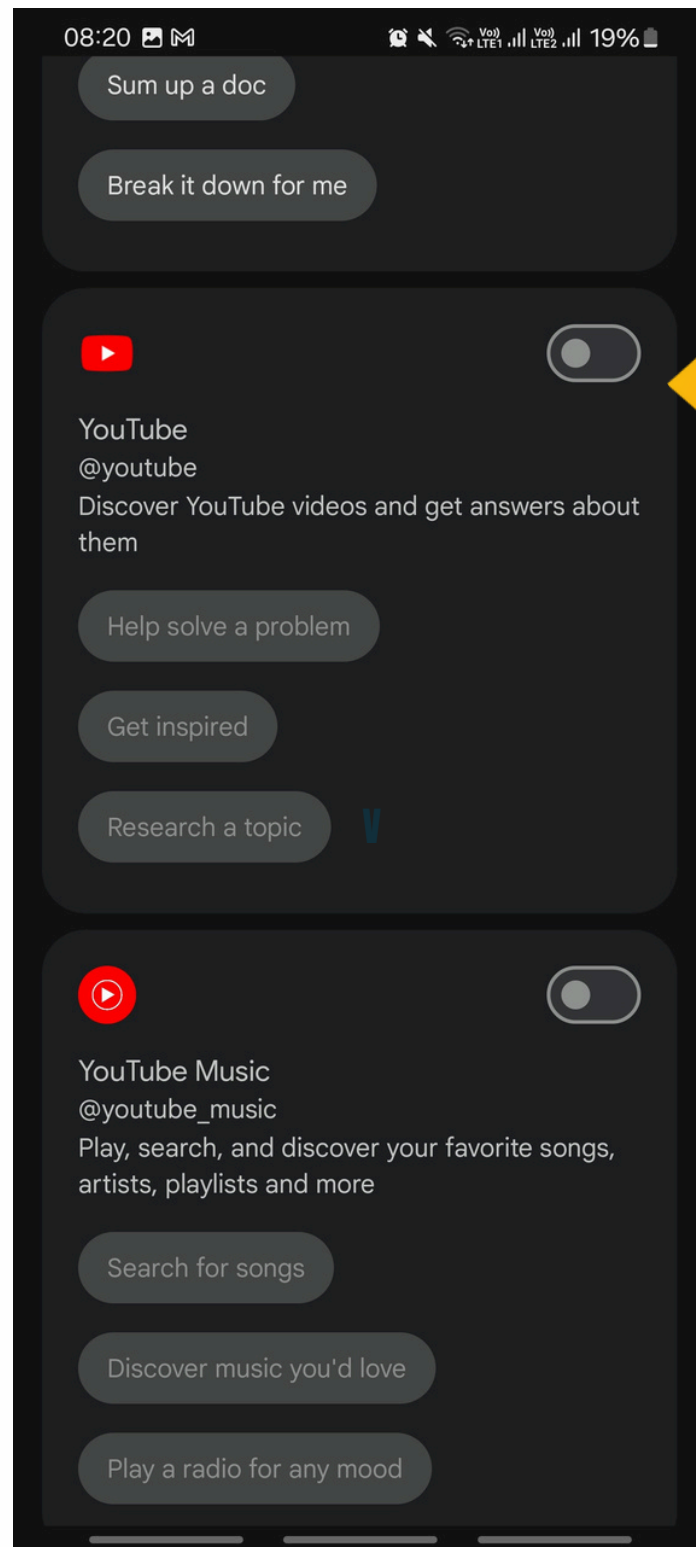
2. CLICK HOME/ PROFILE ICON



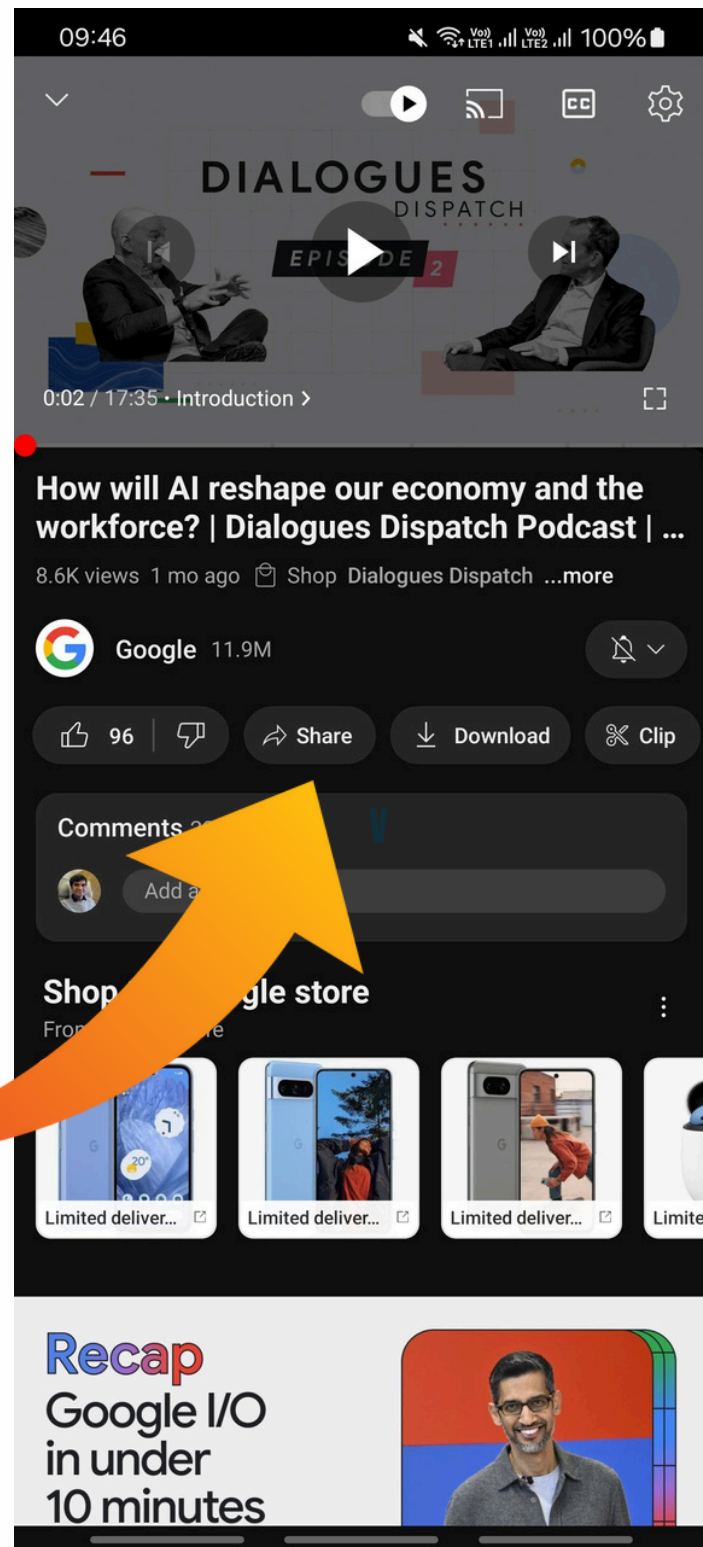
3. CLICK ON EXTENSION



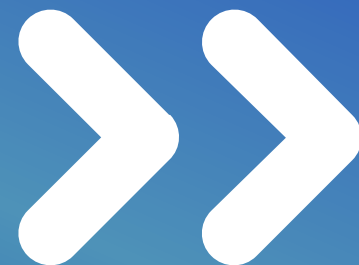
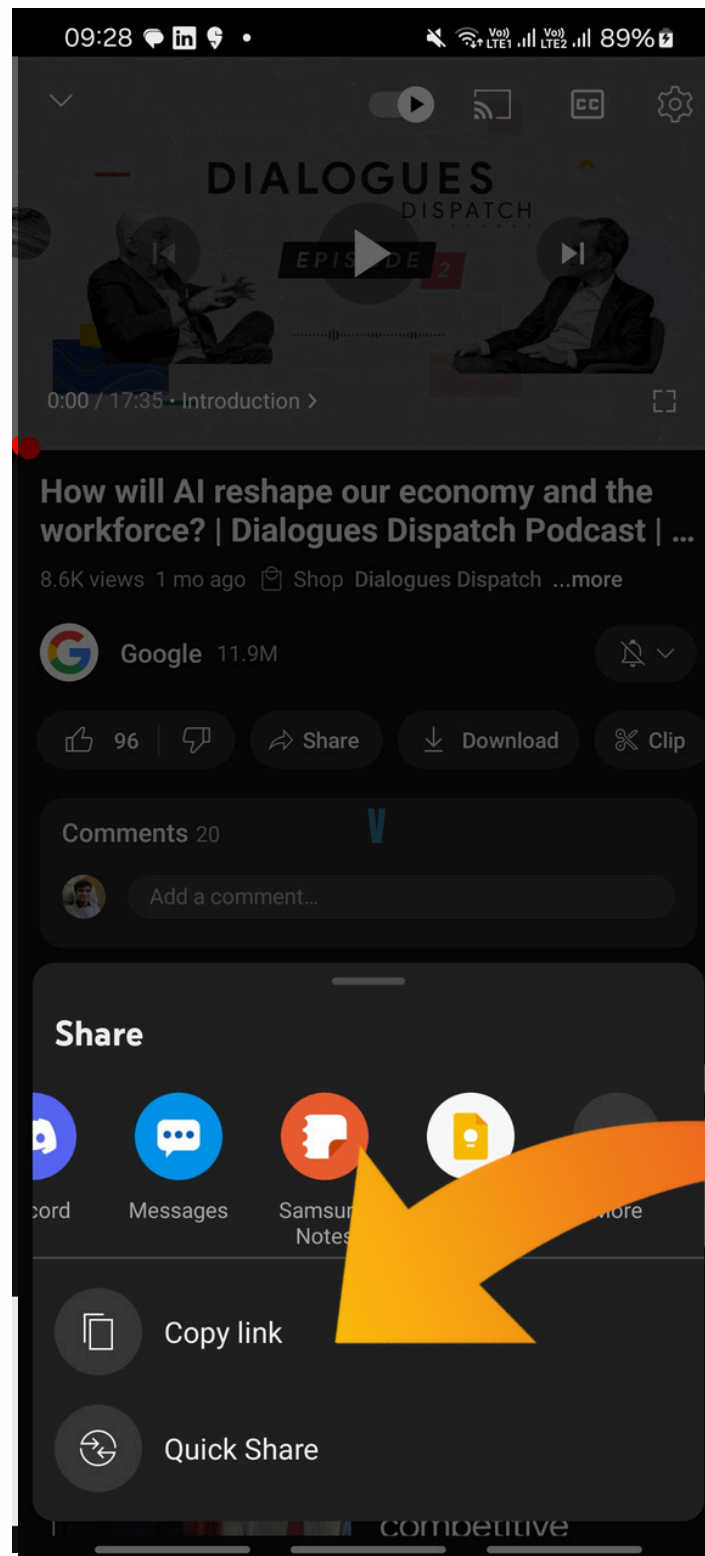
4. ENABLE YOUTUBE EXTENSION



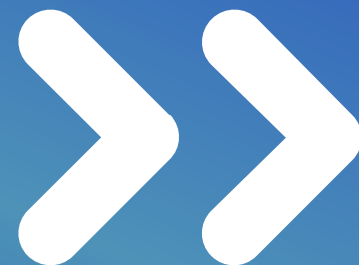
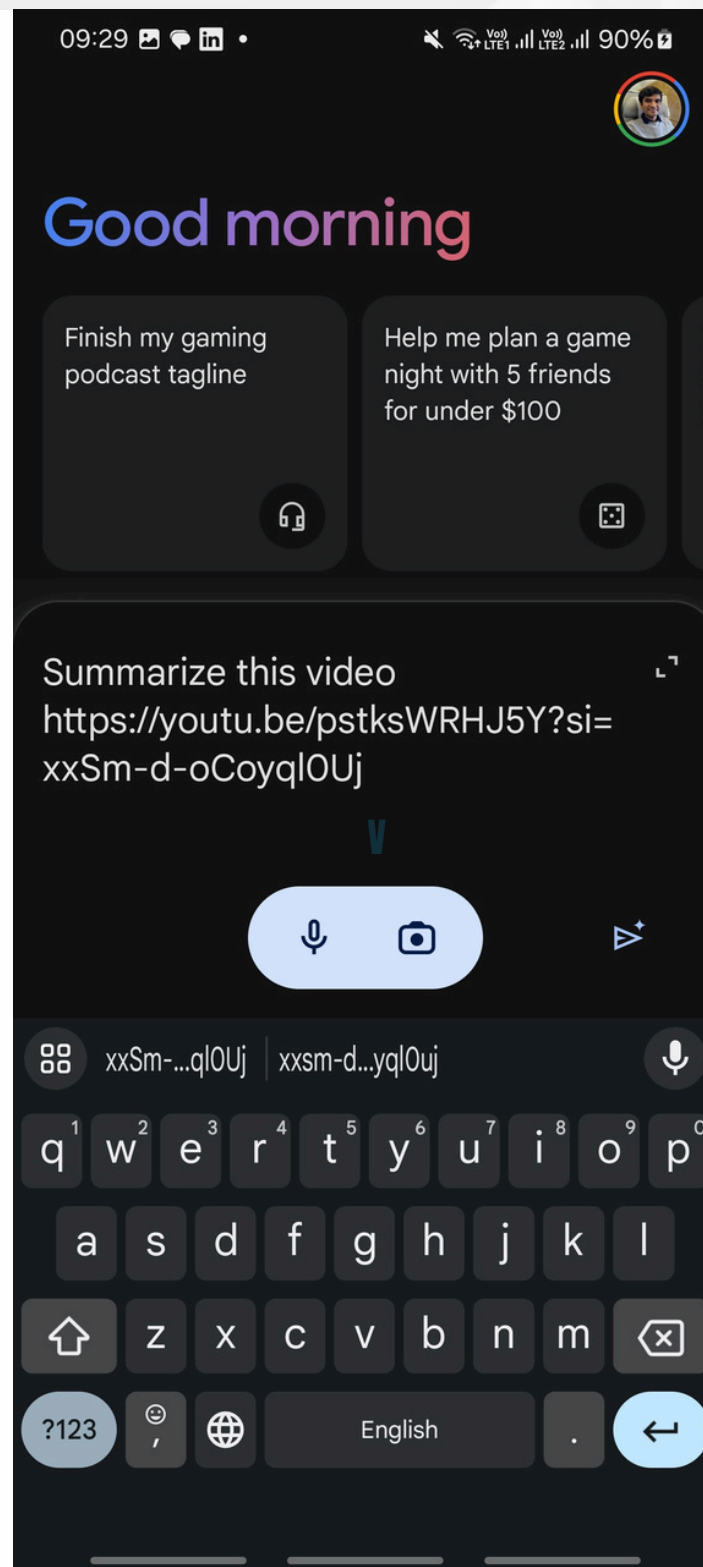
5. VISIT ANY YOUTUBE VIDEO & CLICK SHARE



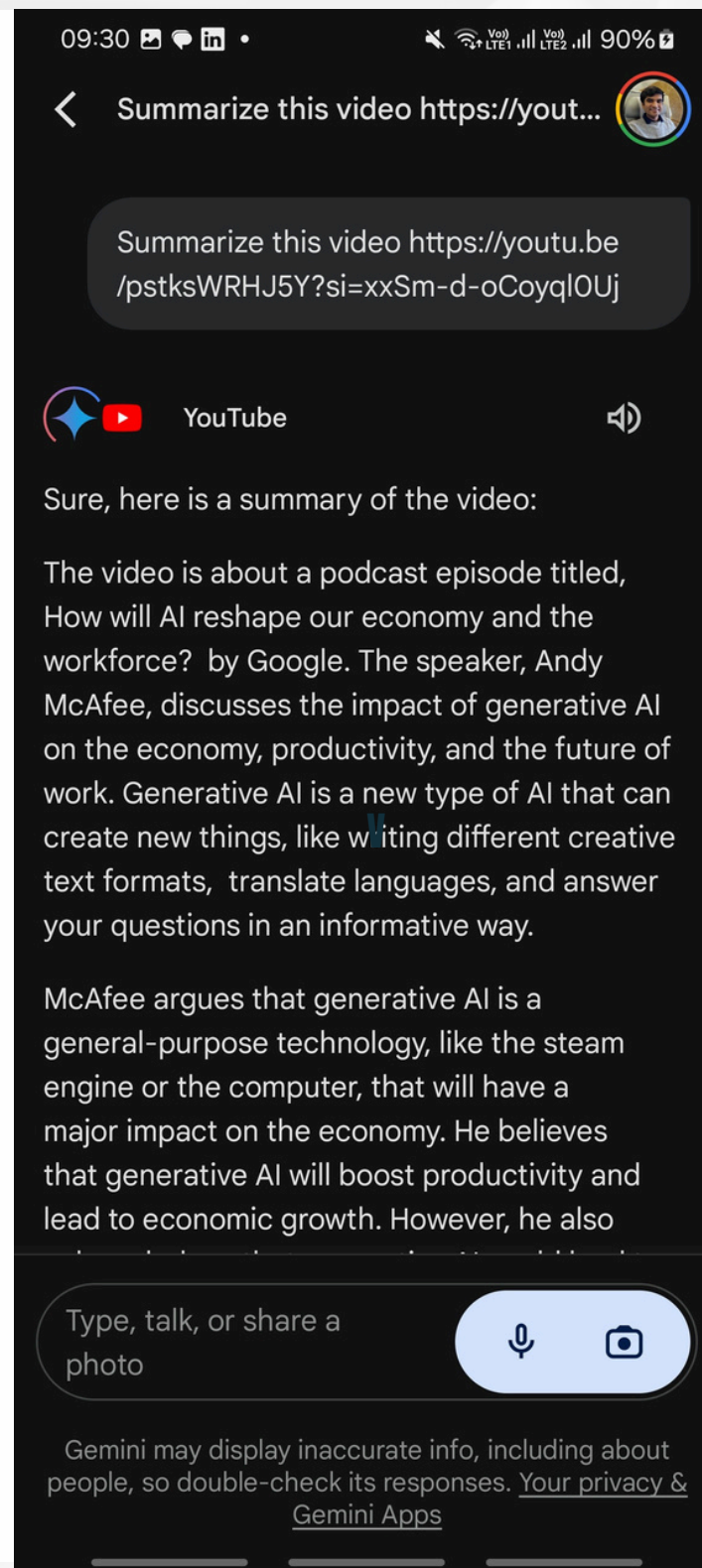
6. EITHER COPY THE LINK OR SHARE TO GEMINI



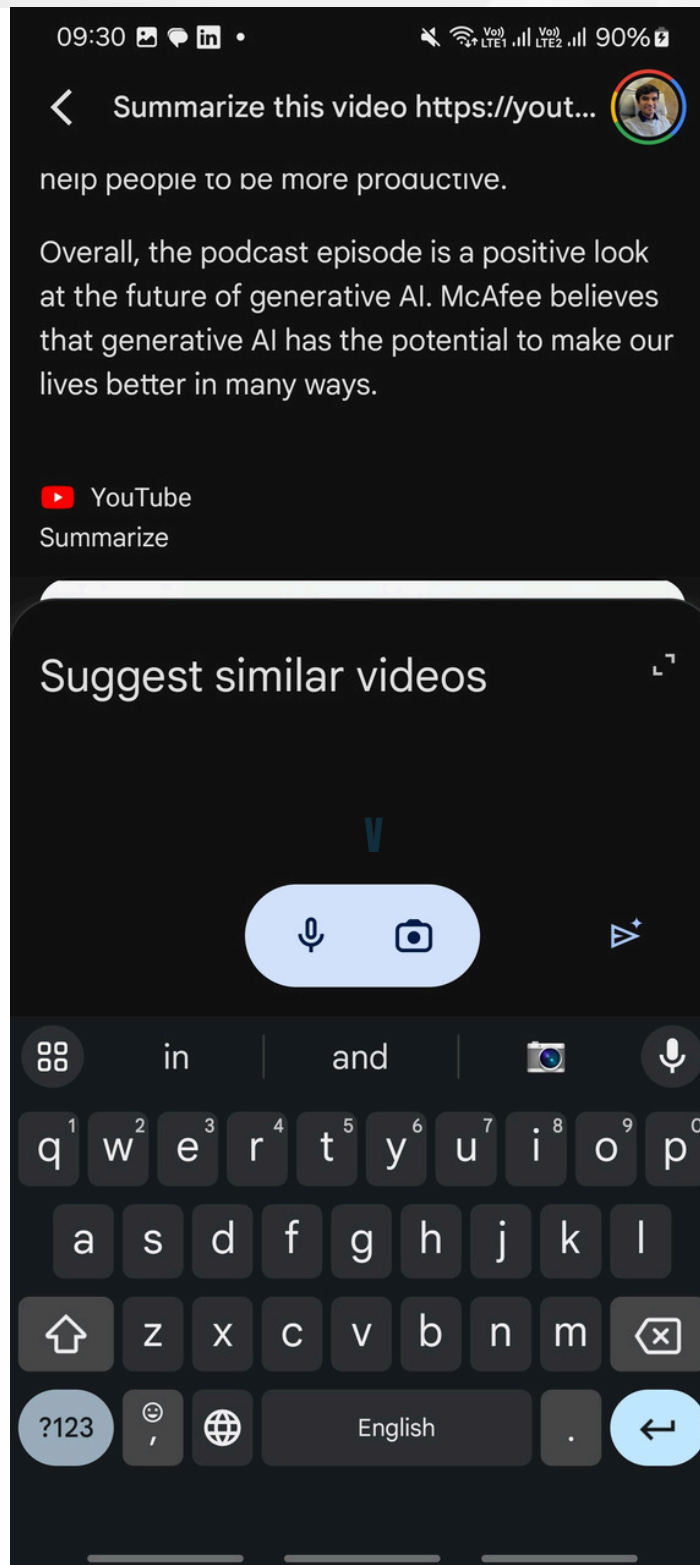
7. WRITE PROMPT TO SUMMARIZE THE VIDEO



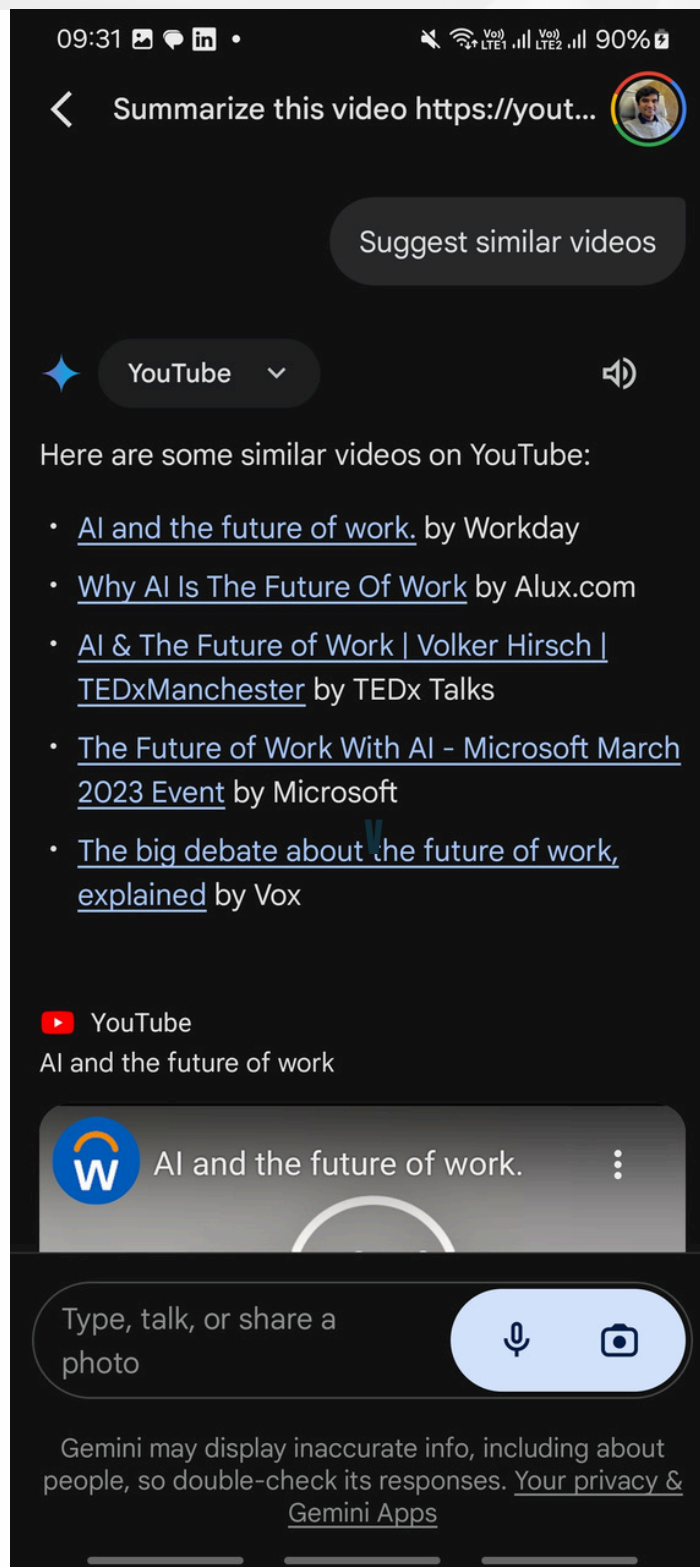
8. GEMINI CREATES CONCISE VIDEO SUMMARY



9. ASK GEMINI TO SUGGEST SIMILAR VIDEOS



10. GEMINI SHARES GOOD LIST SIMILAR OF VIDEOS





Thank You

**SPECIAL THANKS TO GEMINI
FOR THE SUPPORT ON CONTENT**