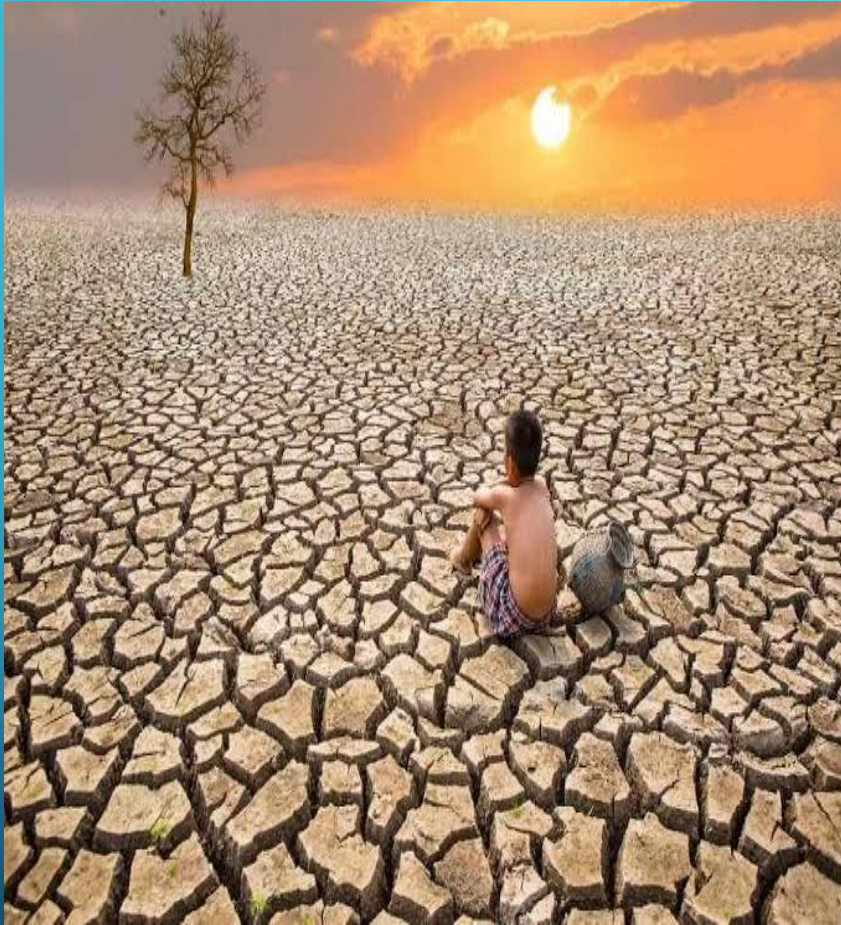




WATER SCARCITY AND AI

- Anan karthikeya





WHAT IS WATER SCARCITY ?

Water scarcity means there is not enough water for people to drink, cook, clean, and grow food. Some places have lots of water, while others don't have enough. Imagine your favorite drink is almost gone and everyone has to share the last bit—that's what water scarcity is like!



WHAT IS AI ?

AI stands for Artificial Intelligence. It helps computers and machines “think” and do smart things like predict the weather and run games in phones. AI helps with video games, making funny filters on your photos, and even talking to you on your smart speaker like Alexa and Google. AI helps us in many ways and makes our lives easier.



HOW AI USES WATER

Big computers that help run AI need a lot of water to stay cool, just like we need to drink water when we're hot. Without water, these computers might overheat and stop working!

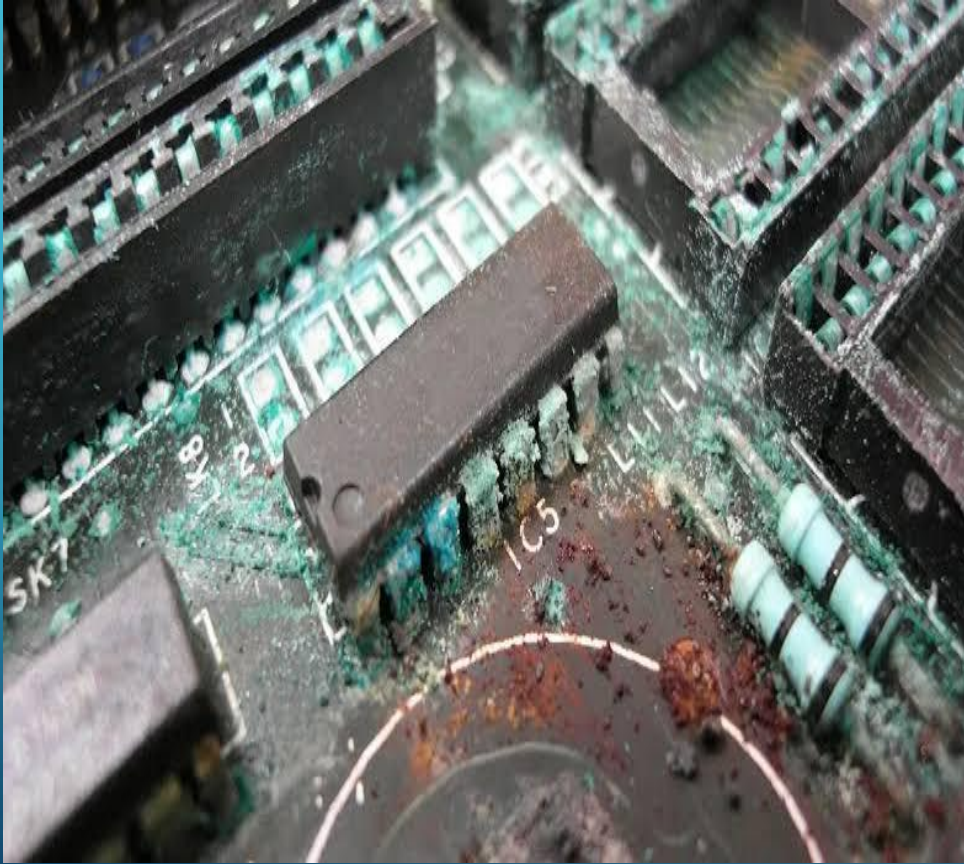
In some places where there's not a lot of water, these AI data centers can use up precious water supplies making water scarcity worse.

WHERE DOES THE WATER COME FROM ?



The water that cools AI computers usually comes from freshwater, like lakes and rivers. If these computers use too much water, there might not be enough for people, plants, and animals.

WHY DOES AI USE FRESHWATER ?



- Freshwater is clean and easy to use .
- Ocean water is salty, and that salt can hurt the machines, just like how salt can rust metal.

HOW MUCH WATER DOES AI USE ?



- Imagine filling a big swimming pool, some AI centers use thousands of swimming pools full of water every day!
- That's a lot of water, right?

IS THIS A PROBLEM ?



- Yes, because in some places, people already have trouble getting enough clean water. If water is used up by AI centers, there is less water for people to drink, water crops, or use at home making life very difficult for families, animals, and plants.



CAN WE SOLVE THIS PROBLEM ?

- Yes! Scientists and engineers are working to make AI computers use less water by cooling their machines with air instead of water or using recycled energy.

HOW CAN YOU HELP ?

- Save water! Turn off the tap when you're brushing your teeth or washing your hands.
- - Save energy! Turn off lights and devices when you're not using them. Limit the usage of mobile phones, which means the AI computers don't have to work so hard.





THE FUTURE OF AI AND WATER

The future can be bright if we work together to make AI smarter with how it uses water. Technology can help but we must also protect our water resources for everyone.

THANK YOU !

- If we all help save water and energy, there will be enough water for people, animals, plants, and even AI!
- Remember, water is precious, and with smart ideas, we can save it for everyone!
- Together, we can make a big difference!

ANY QUESTIONS ?

