UNDERSTANDING AI
LECTURE SUMMARY

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What is AI?

Artificial intelligence (AI) is a specialized part of computer science focused on creating systems and technologies that perform tasks by mimicking human abilities.

the 'Computing Machinery and Intelligence' paper by Alan Turing

- Explored the idea: Can a machine act the way we as thinking beings do?
- Introduced the Turing Test (Imitation Game) that tests whether a machine's behavior is indistinguishable from a humans.

Some real-life examples of Artificial Intelligence in action

- Virtual Assistants like Siri or Alexa.
- Streaming Platforms like Netflix or Spotify.
- Self-Driving Cars like a Tesla or Waymo driver.

How does AI work?

Artificial Intelligence works by processing large amounts of data through advanced algorithms that can identify patterns, make predictions, solve problems, and, in more advanced cases, learn from the data to improve their own performance over time.