

# What is AI? Plain and Simple

Understand AI, where it lives, why it makes mistakes, and the one golden rule.

Name: \_\_\_\_\_ Roll No.: \_\_\_\_\_ Date: \_\_\_\_\_

## What is AI?

Artificial Intelligence — or AI — is software that learns from large amounts of data and uses that learning to make decisions or generate responses. You do not need to understand the mathematics behind it. What matters is understanding how to use it and where it can go wrong.

### AI IS ALREADY IN YOUR DAILY LIFE

- › Google Search — AI decides which results appear first and in what order.
- › Gmail Spam Folder — AI reads every email and decides what is spam.
- › YouTube / Instagram — AI picks the next video or post based on your behaviour.
- › Zomato / Swiggy — AI calculates delivery time using live traffic and kitchen data.
- › Phone autocorrect — AI trained on billions of sentences predicts your next word.
- › Face unlock — AI recognises your specific face in a fraction of a second.
- › Google Maps — AI picks the fastest route using live data from other phones.

## How ChatGPT Actually Works

ChatGPT does one thing: it predicts the next most likely word, one word at a time, based on patterns it learned from reading billions of documents on the internet. It is not thinking. It is not understanding. It is pattern matching at a very large scale.

This is why it sounds so human — it learned from humans. But it has no real knowledge, no awareness, and no way to know when it is wrong.

## The Hallucination Problem

Because AI always produces a plausible-sounding answer, it never says "I don't know." When it lacks real information, it invents a confident-sounding response anyway. This is called a **hallucination**.

### Real example from class today:

We asked ChatGPT about the novel "Chandrapur Nights" by Ramesh Sharma (2019).

This book does not exist. ChatGPT invented a full plot, characters and publisher.

It sounded completely real and confident — but every word was made up.

### REMEMBER

- ✓ AI is your draft writer — NOT your fact checker.
- ✓ For anything important (medical, legal, financial, academic) — always verify with a real source.
- ✓ AI sounds equally confident whether it is right or completely wrong.
- ✓ Three verification steps: (1) search it, (2) ask AI how confident it is, (3) cross-check one specific fact.

## ChatGPT vs Google — Key Difference

	Google	ChatGPT
<b>What it does</b>	Finds existing web pages	Generates a new response
<b>Memory</b>	No memory — each search is fresh	Remembers within one conversation
<b>Follow-up</b>	You must search again	It remembers your earlier message
<b>Best for</b>	Finding specific sources, news, facts	Writing, explaining, brainstorming
<b>Risk</b>	Links may be outdated or wrong	May invent facts confidently

### WHAT YOU LEARNED TODAY

- ✓ Explain what AI is in plain English — no jargon
- ✓ Name at least 5 places where you already use AI every day
- ✓ Define hallucination and explain why it happens
- ✓ State the one rule: AI is a draft writer, not a fact checker
- ✓ Apply the 3-step verification habit to any important AI response

## DAY 1 ASSIGNMENT

### Task 1 **Where AI is Already in Your Life**

List 5 apps or services you use regularly. For each one, write one sentence explaining where you think AI might be working inside it.

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### Task 2 **Test the Hallucination Problem**

Ask ChatGPT about a fictional person, book, or event that you invent yourself. Write what you asked, what ChatGPT said, and what this teaches you about trusting AI responses.

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### Task 3 **Your Own Words**

Write 2-3 sentences explaining to a friend who has never heard of ChatGPT what it is and one thing to be careful about.

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Note: Bring this completed sheet to Day 2. We will discuss your hallucination examples.