

Exploring the History of AI: Research and Presentation	1
1. The Dreamers: Before AI Existed	1
2. The First Steps: A Man with a Bold Idea (1936-1950s)	1
3. The Birth of AI: A Summer of Excitement (1956)	2
4. The Struggle: Hope, Failure, and the “AI Winters” (1970s-1980s)	2
5. The Comeback: AI Learns from Humans (1990s-2000s)	2
6. The Big Leap: AI Becomes Smarter Than Ever (2010s - Today)	3
7. The Future: Where is AI Going?	3
What This Means for You	3
Research Questions	4

Exploring the History of AI: Research and Presentation

1. The Dreamers: Before AI Existed

A long time ago, humans dreamed of making things that could think and act on their own.

Imagine a blacksmith in ancient Greece, hammering away at metal, dreaming of a machine that could help him work. Or a storyteller in China weaving tales of artificial beings that could talk, move, and maybe even feel.

For centuries, humans created **stories about artificial life**, from talking statues in mythology to mechanical toys in the 1400s. These weren't real AI, but they showed one thing: people had a deep desire to bring intelligence into machines.

The dream was planted. But no one knew how to make it real.

2. The First Steps: A Man with a Bold Idea (1936-1950s)

Now, meet **Alan Turing**, a British mathematician with an idea that would change history.

Turing believed that thinking wasn't just something humans did, it was a process that could be copied. He imagined a **machine that could follow instructions and make decisions**. Today, we call it the **Turing Machine**, but back then, it was just an idea in his head.

Fast forward to **1950**, and Turing had another big question:

"If a machine can convince a human that it's thinking, does that mean it's actually thinking?"

He came up with the **Turing Test** ,a way to check if a machine was intelligent. If you could chat with a computer, and it answered like a human, wouldn't that mean it could think?

The world was intrigued, but AI was still just an idea. The real work was about to begin.

3. The Birth of AI: A Summer of Excitement (1956)

It was the summer of **1956**. A group of excited scientists gathered at a place called **Dartmouth College**.

They had one goal: **to make a machine that could think**. And for the first time, they gave their idea a name ,**Artificial Intelligence (AI)**.

They imagined computers that could:

Solve problems

Understand language

Learn from mistakes

They were full of energy, like a group of young inventors starting a crazy project in a garage. But reality hit them hard ,teaching a machine to think was much harder than they expected.

4. The Struggle: Hope, Failure, and the “AI Winters” (1970s-1980s)

Imagine training for years to win a marathon, only to realize you're nowhere near the finish line. That's what happened to early AI researchers.

They built machines that could **play chess** and **solve math problems**, but when they tried to make computers truly understand the world, the machines failed.

Governments and investors started pulling out money. People called it “**The AI Winter**” ,a time when AI progress froze. Many scientists **gave up**.

But not everyone.

A small group kept working in the background, waiting for the world to be ready for AI again.

5. The Comeback: AI Learns from Humans (1990s-2000s)

Then, something big happened.

Scientists realized that instead of programming every single rule into AI, they could let **AI learn from data** ,just like humans do.

A perfect example? **Deep Blue**.

In **1997**, a supercomputer called **Deep Blue** played chess against the world champion **Garry Kasparov** ,and won. It was a historic moment. For the first time, a machine had beaten the best human at something deeply intellectual.

People started believing in AI again.




6. The Big Leap: AI Becomes Smarter Than Ever (2010s - Today)

Then, AI **got REALLY smart**.

In **2012**, a new way of learning, called **Deep Learning**, allowed AI to recognize faces, translate languages, and even **generate human-like conversations**.

By **2016**, an AI called **AlphaGo** beat the world's best player in the game of Go ,something experts thought was impossible.

And today? AI is everywhere:

-  It recommends what you watch on YouTube.
-  It powers virtual assistants like Siri and ChatGPT.
-  It's even helping self-driving cars navigate roads.

We're living in an AI-powered world, and it's only the beginning.

7. The Future: Where is AI Going?

Now, scientists are asking the **biggest question of all**:

"Can AI ever truly think and feel like a human?"

Some believe we'll create **Artificial General Intelligence (AGI)** ,a machine that can think, reason, and understand just like we do.

But there's still a long way to go.

The future of AI is like an unfinished story ,**and we're all a part of it**.

What This Means for You

Every great story has heroes ,the people who push boundaries, ask tough questions, and create things no one thought possible.

Alan Turing and the early AI pioneers were the **first heroes**.
But the next ones? **That could be you**.

If you learn about AI, understand how it works, and think of new ways to use it, **you could shape the future.**

So, what's next? 🚀

Research Questions

- 1 What is Artificial Intelligence (AI), and how is it different from a regular computer program?
- 2 What is Machine Learning (ML)?
- 3 What is the difference between Supervised and Unsupervised Learning?
- 4 What is an AI Model?
- 5 What is a Neural Network in AI?
- 6 What is Deep Learning, and how is it different from Machine Learning?
- 7 What is the difference between Supervised and Unsupervised Learning?