

**Can Machines Think?"** - The thought which supposedly gave rise to the concept of 'Artificial Intelligence'. The term Artificial Intelligence means making machines smart, which allows them to perform tasks performed by human beings such as learning, solving problems, and making decisions.

This initial foundation for this diverse technology was laid out by a scientist named Alan Turing in 1950. But it stayed just as a foundation because the technology was not advanced and the running costs were too high.

Five years later Allen Newell, Cliff Shaw, and Herbert Simon made the 'Logic Theorist' Project which is considered as the first AI program. This was presented in a conference and in the end it came to the conclusion that AI was achievable.

Then, From 1957 to 1974, AI flourished with lots of ups and downs. During this time the researchers convinced the government to give funding to build the project. But even so the major problem they faced was the lack of required computational capabilities.

In 1980, machine learning and deep learning techniques were made popular by two guys named John Hopfield and David Rumelhart. It was also the time where the 'chess ai' - IBM's *Deep Blue* was created and defeated the world champion.

With the rise of 'Big data', which humans cannot even process. AI's have shown their true capabilities. Also during these times the computational capabilities have exceeded the expectations. This led to the development of the current AI systems or programs that we use in our day to day lives. Some of them are LLM's, automated vehicles, or getting Personalised data to consume like youtube or amazon recommendations.

So far AI has been making our lives way better than ever before and it'll continue to do so. In 1950 the thought of making computers think and reason like humans led to the creations of this day. Likewise we ( i mean researchers..or top secret organisations) now discuss the potential of AGI (artificial general intelligence) which would be wayyy better than today's AI. Guess we'll soon find out.