

2/8/24

Q. What do you think 'Robot' is?

→ Robot - slave

(Wikipedia on Google)

Idea of Robot comes from drama.

ppl were thinking about social implications.
then AI comes in picture.

• Samuel Butler's Darwin Among the Machine

[author gave shoutout to burrler.
written before it]

• Historical Automata

1st pict

Automatic music machine [steam engine]

Hera Alexander made this machine.

like water sprinkler

before digital age, these machines are
called as Automata.

2nd pict

It is clock

Arabian Scientist Alghazani.

Angara Museum, Turkey → still there.

3rd pict

It's washbasin

also made by Alghazani.

But these machines lag in technical

libnitz made calculus, George boole → boolean algebra.

1st calculator - Pascaline 1642 AD with +, -

Leibnitz Stepped Reckoner 1672 AD - calculator
with \times , \div .

Philipp Hahn 1774 AD

What makes state to make machine compact?

- Act of warfare. Prussia war
to make angular elevation in war.

1804 AD, Joseph invented Jacquard loom.

Jacquard tech → punch cards → magnetic tape
computer theory come out of loom.

- 1820 AD, Charles Xavier made Thomas de Colmar. There was need of complicated calculations because of trade and stock market. So new job came into market → Computer.
- 1st computer were Human seated in control room (Hidden figures - movie)
- Charles Babbage made differentiation machine difference engine. He thought what if we make a machine with input and output.
- Bernoulli seq → 1st program
- Norzist - electromechanical computer - Z series.
- Alan completes his masters by writing perfect theoretical computer (Invitation game)
- father of computer science.
- Aniac - 1st computer made in university of pennsylvania. technology is vacuum tube → can be replaced by semiconductor tech.
- Norbert Wiener invented information technology
- Dartmouth workshop - a group of ppl
- AI phrase invented in 1956