Data Science & AI

Artificial Intelligence

AI Foundation

One Shot

By- **Sudhanshu Sir**

Recap of Previous Lecture

Topic

Topic

Topic

Topic

Topic

Topics to be Covered

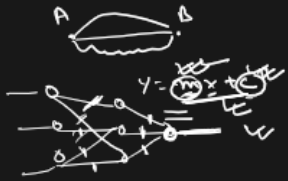**Topic** Deep Learing

Topic Types

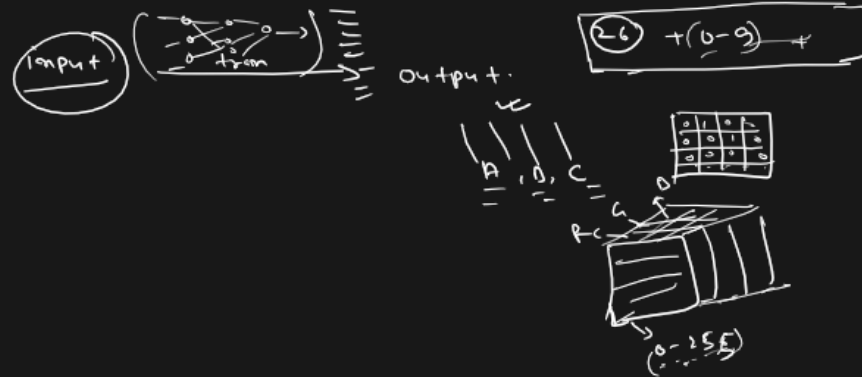**Topic** Tech behind AI

Topic

Topic

AI Foundation

Type of AI —

① ANI → Artificial Narrow intelligence

② AGI → Artificial General intelligence.

(3) Self-Awareness AI →

(4) limited memory → chat bot. → DF, Lex, luis.

⑤ Reactive Machines → Gmail.

⑥ Theory of mind

(7) AI Super intelligence

Tech Behind AI

① Math. → Stats
　　　└→ Probability.
　　　└→ Algebra.

② ML → SA
　　　→ UA
　　　→ SSA

③ Deep Learning →

④ Computer vision → X

⑤ NLP → X

⑥ RL → X

① Prog lang → Python

② MLOPS → Deploy —

Input → [diagram] → **Output**

2-6 + (0-9) +

A, 0, C
G
P<

(0-255)

Type of search in AI

uninformed Search → (?)
(Blind Search)

1. BFS → Breadth First Search.
2. DFS → Depth First Search.
3. uniform cost search
4. Iterative deep depth First Search.
5. Depth limited search

informed Search → (P) (G)
(Heuristics Search)

1. A* Search
2. A O* Search
3. Best First search.
4. Hill climbing Algorithm.

uninformed vs informed

uninformed	informed
1. Random walk or search.	1. Certain walk or search.
2. Time complexity high	2. Time complexity less
3. Space complex high	3. Space complex less

2 mins Summary

Topic One

Topic Two

Topic Three

Topic Four

Topic Five

THANK - YOU