

An Introduction

- Ravisankar

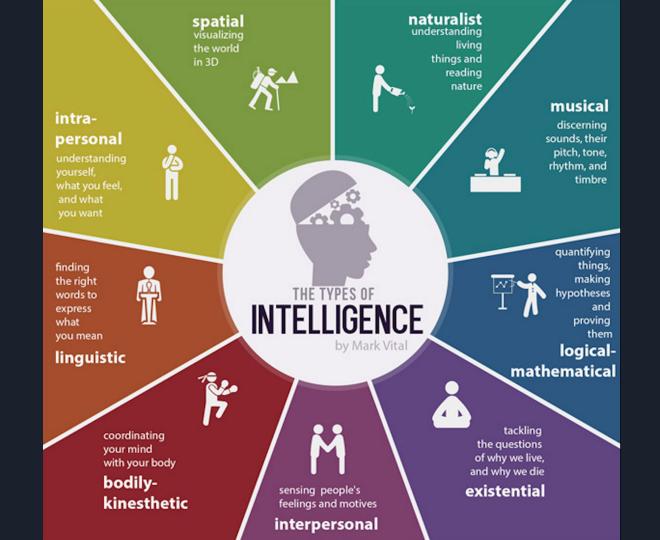
# What is Al?

# What is AI?

Artificial + Intelligence

# Intelligence

The ability to apply knowledge to manipulate one's environment

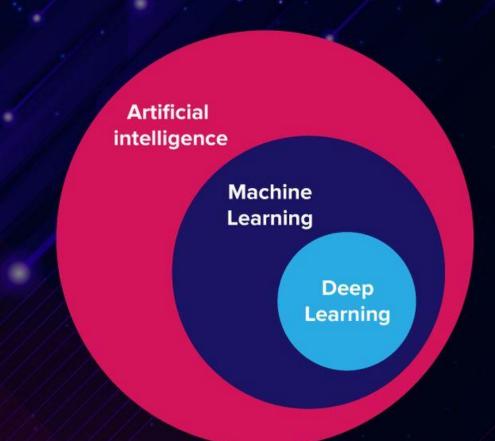


### Rational Thinking

Rational thinking is a process. It refers to the ability to think with reason. It encompasses the ability to draw sensible conclusions from facts, logic and data.

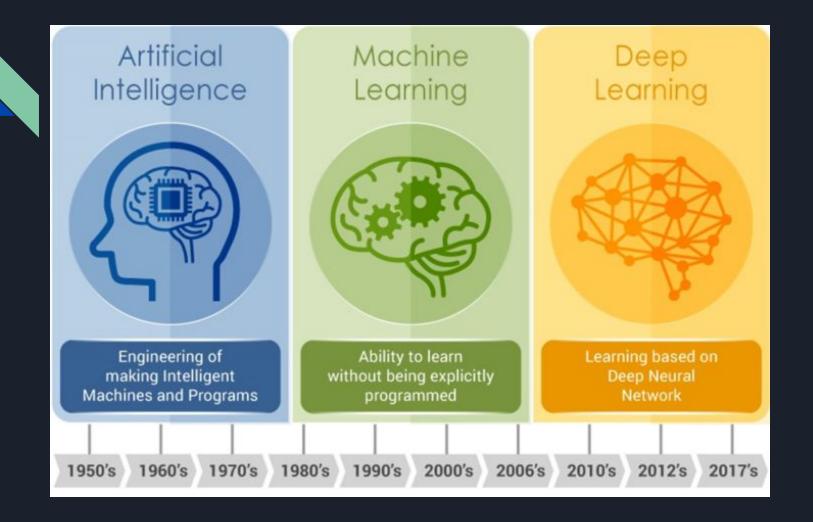
# Are we rational thinkers?

# Al in Computer science



# FEEL THE DIFFERENCE





# Algorithms

#### Search Algorithm

- What is Tree?
- What is Graph?
- What is queue?

### Search Algorithms

Problem formulation + Strategy

# Strategy

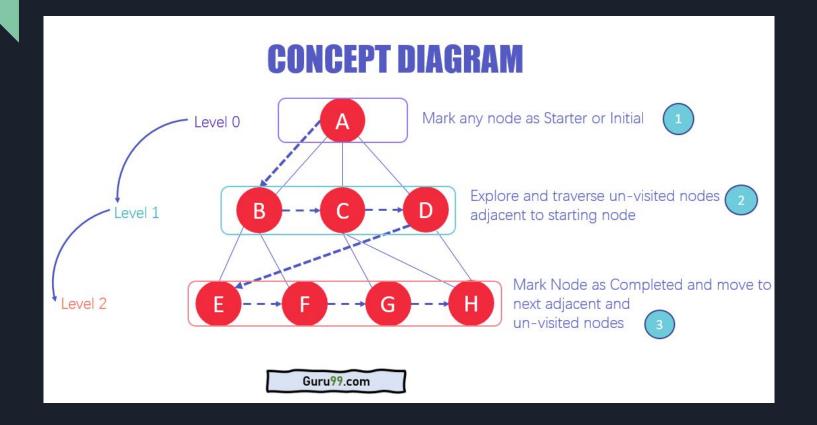
What next?

How to traverse?

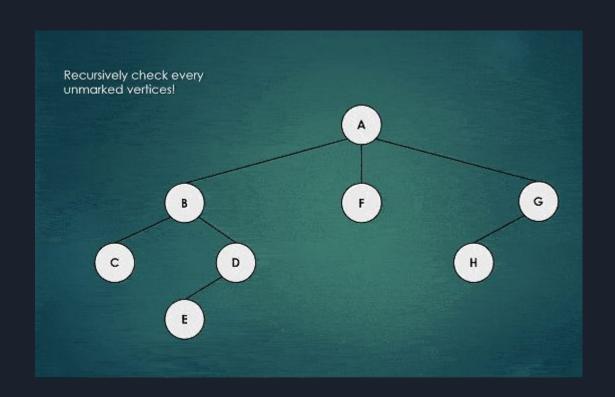
# Popular search algorithms

- BFS
- DFS
- Д\*
- Greedy Search
- Hill climbing

#### BFS



### DFS



### BFS vs DFS

