

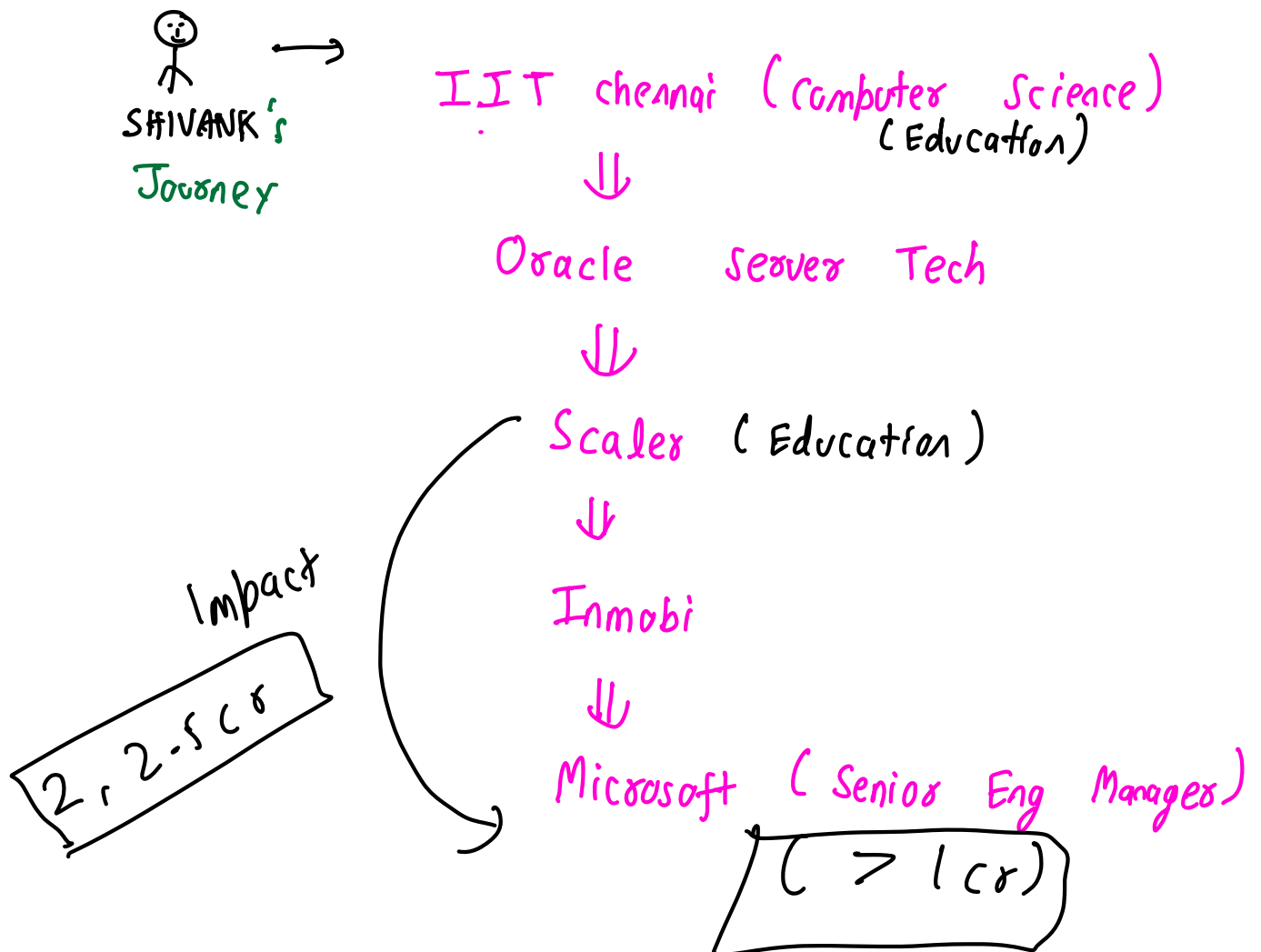
Data Science vs ML vs AI

Agenda

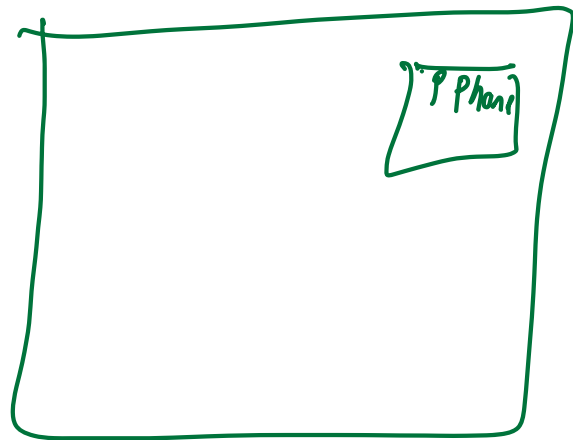
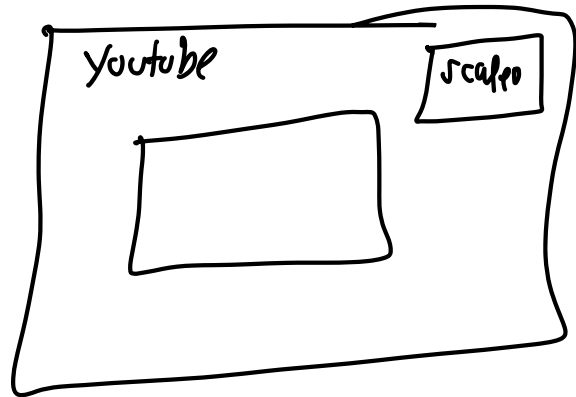
- ① Introduction
- ② Polls to know you
- ③ DS, ML, DL, Gen AI, AI & more
- ④ sub-areas

→ explain

→ Real world problems
- ⑤ Job roles



Advertisements

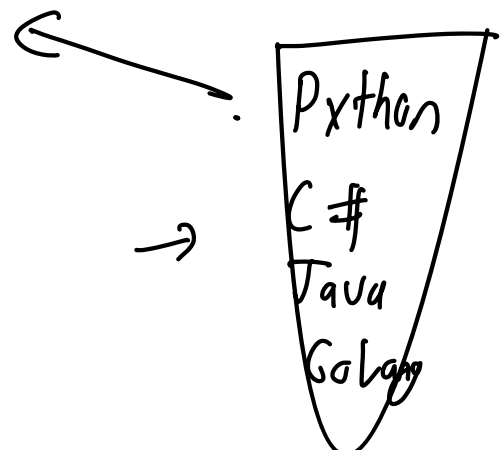


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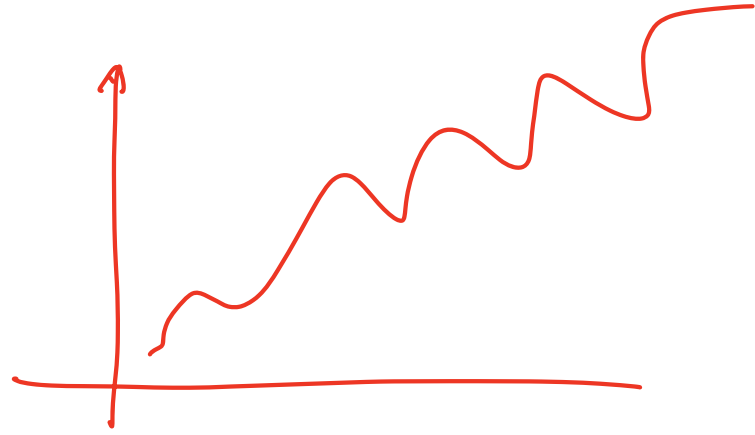
✓ Database

Ad #	Photo	Text
1		

Analysis



PowerBI /
Tableau



⇒ Jungle ⇒ Hunt Rabbit



Eat it

①

5000 years
old

②



⇒ DMART ⇒ Farmers

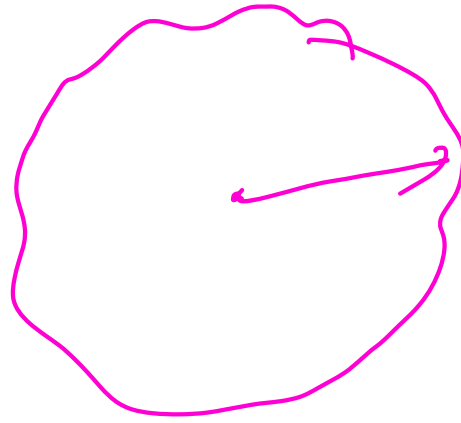


Numpy / Pandas

SHIVANK
Today

⇒ Data Science → getting insight from Data

Data
Code
Maths

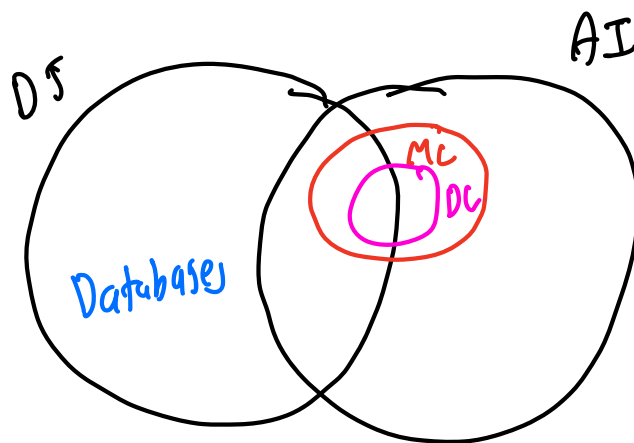


AI
(1940)

Create intelligence in computational
systems

Machine Learning
(1970)

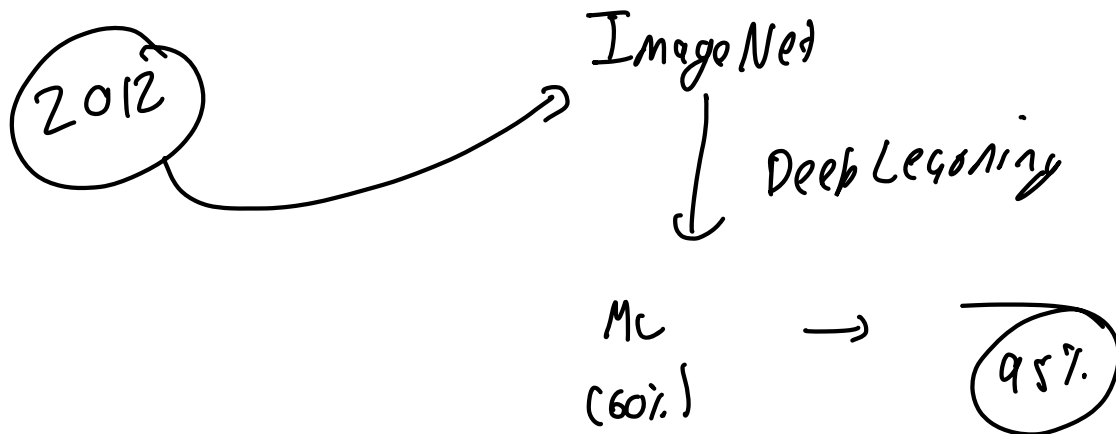
: Applied maths : stats,
CS, physics



Machine Learning

130/2 → 270/8

Deep Learning (2006)



60%
59.98%
59.96%

⇒ Footis

X (80 people)

DC

TB

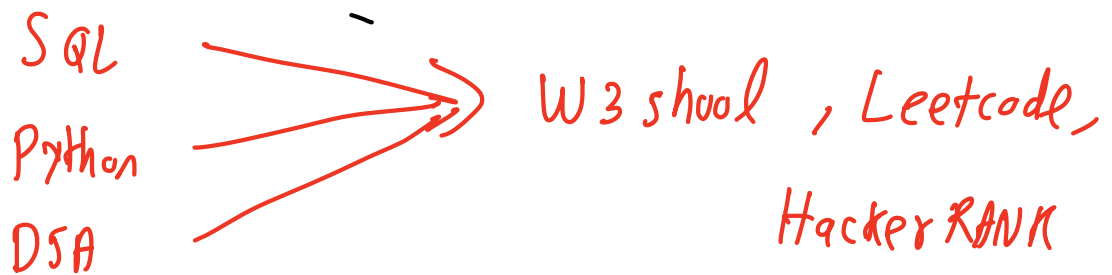
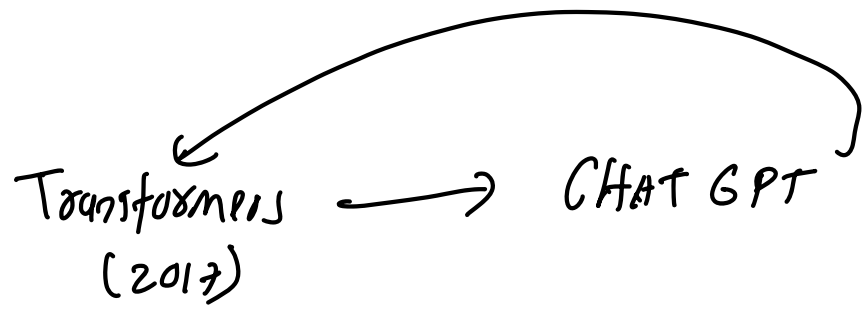
↓

X-Ray (100)

↓ 3-4 days

Radiologists

NLP
↓
Text



Maths : MIT Lecturer ↵

ML : Youtube (NG Andrew)



Kaggle.com

Scaler

- Data Analyst → 7-10 months
- Data Scientist

11
14-16 months

→ SQL & Tableau / Excel

→ Python

→ Numpy / Pandas

→ Prob/stats & Hypothesis testing

→ Product Analyst

→ Math for ML

→ ML → 3-4 months

→ DL → 3-4 months

→ MLops

→ DSA

80+
business
cases

DA

careers

DS

90%

Apurva : 6:23 PM

Generative AI (DL based)

Text $\xrightarrow{\text{LLM}}$ GenAI \rightarrow Text (ChatGPT)

Text \rightarrow GenAI \rightarrow Image (Stable Diffusion)
 \Downarrow
Midjourney

\Rightarrow Data Eng
 \Downarrow
DSA

DSA	+ DS
sol.	sol.

 \rightarrow ML engineers

Sw Eng \rightarrow Senior flw \rightarrow Team

Data Analyst \rightarrow Data Scientist \rightarrow Applied Scientist
 \downarrow \downarrow
ML engineers