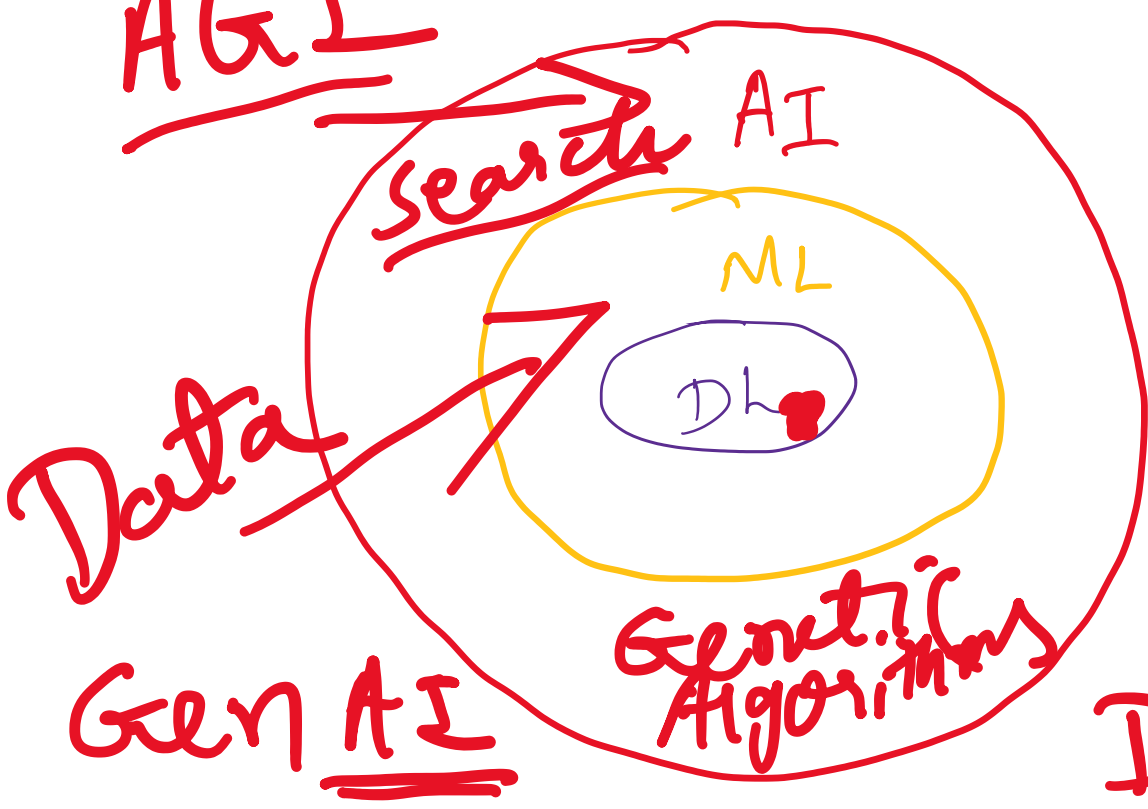


What is AI/ML/DL?

AGI

AI -
mimic
human
behaviour
for
various
tasks



Gen AI

Data

ML Model
under Data

→ Types of ML

* Supervised Learning
(Labeled Data)

Example : House Price

Label : Price of the house
Prediction : Price of the house

* Unsupervised Learning

Example : Customer Segmentation

* Reinforcement Learning

Example : Playing Games

(Strategy)

R L M L

Supervised Learning

Reward/
Punishment

Chess

GO
Portfolio

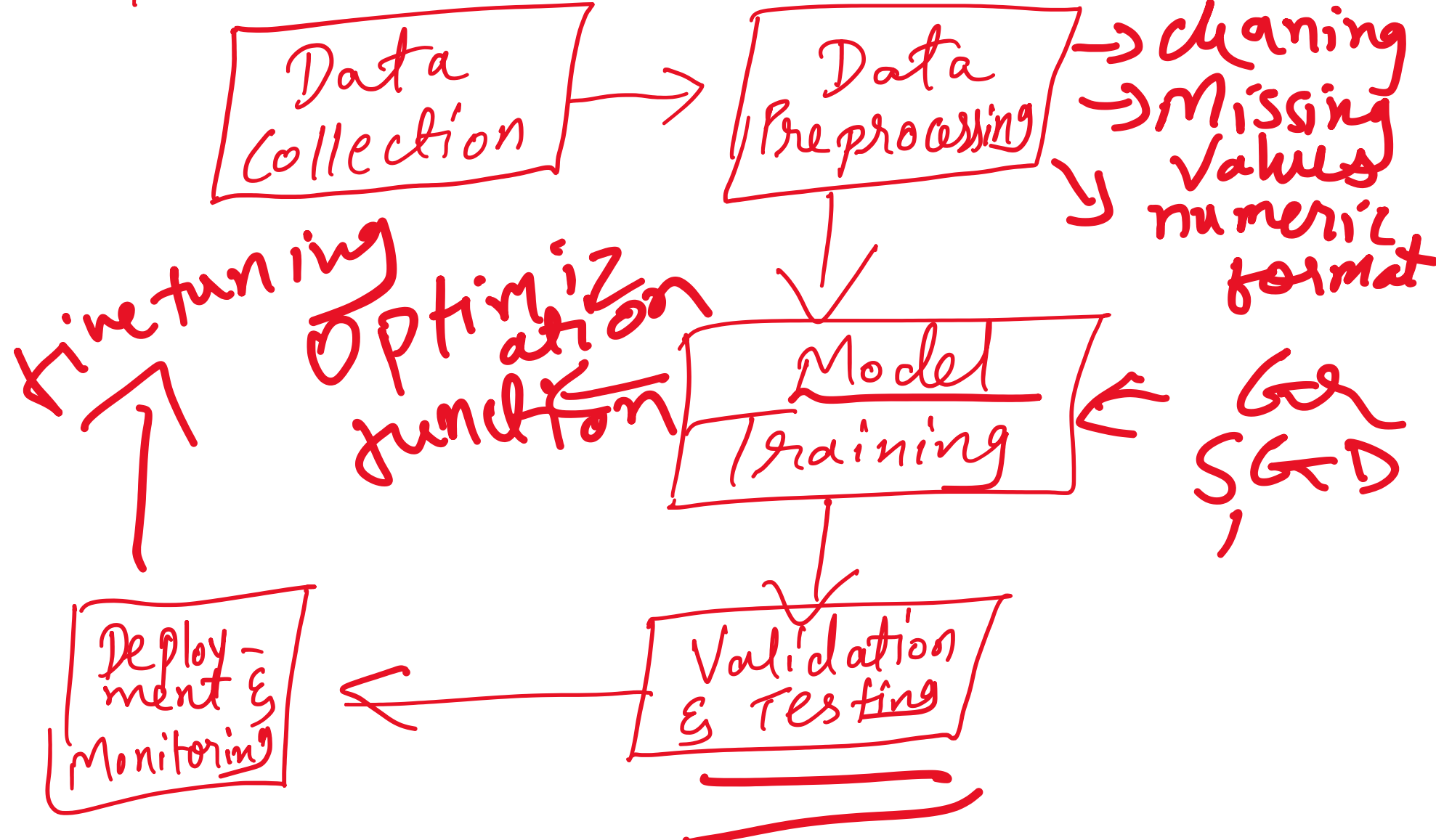
Regression
Label is continuous
a value

Classification
Labeled data
label

Eg: What will be temperature tomorrow?
35.35
35.25

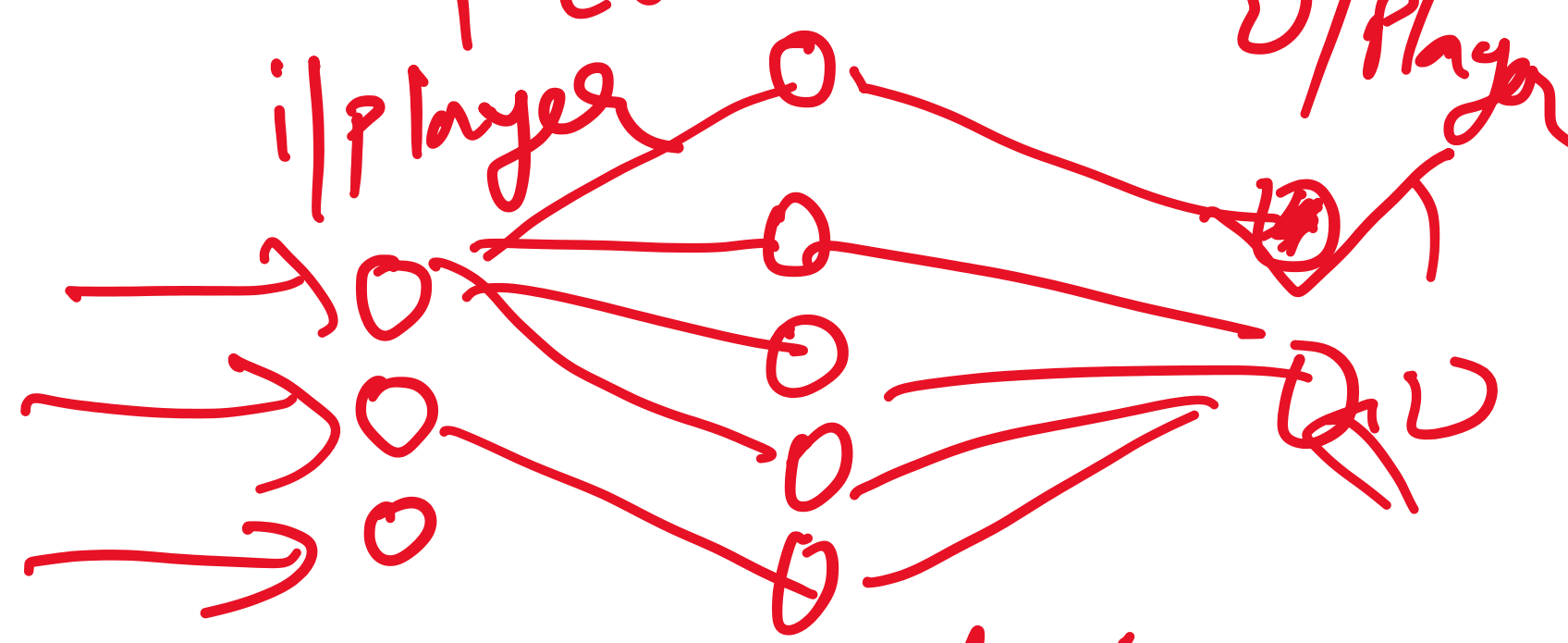
Eg: Whether tomorrow is going to be hot or cold?
0/1
1 2 3
...

Typical ML Pipeline



ML -> Logistic
ML -> SVM

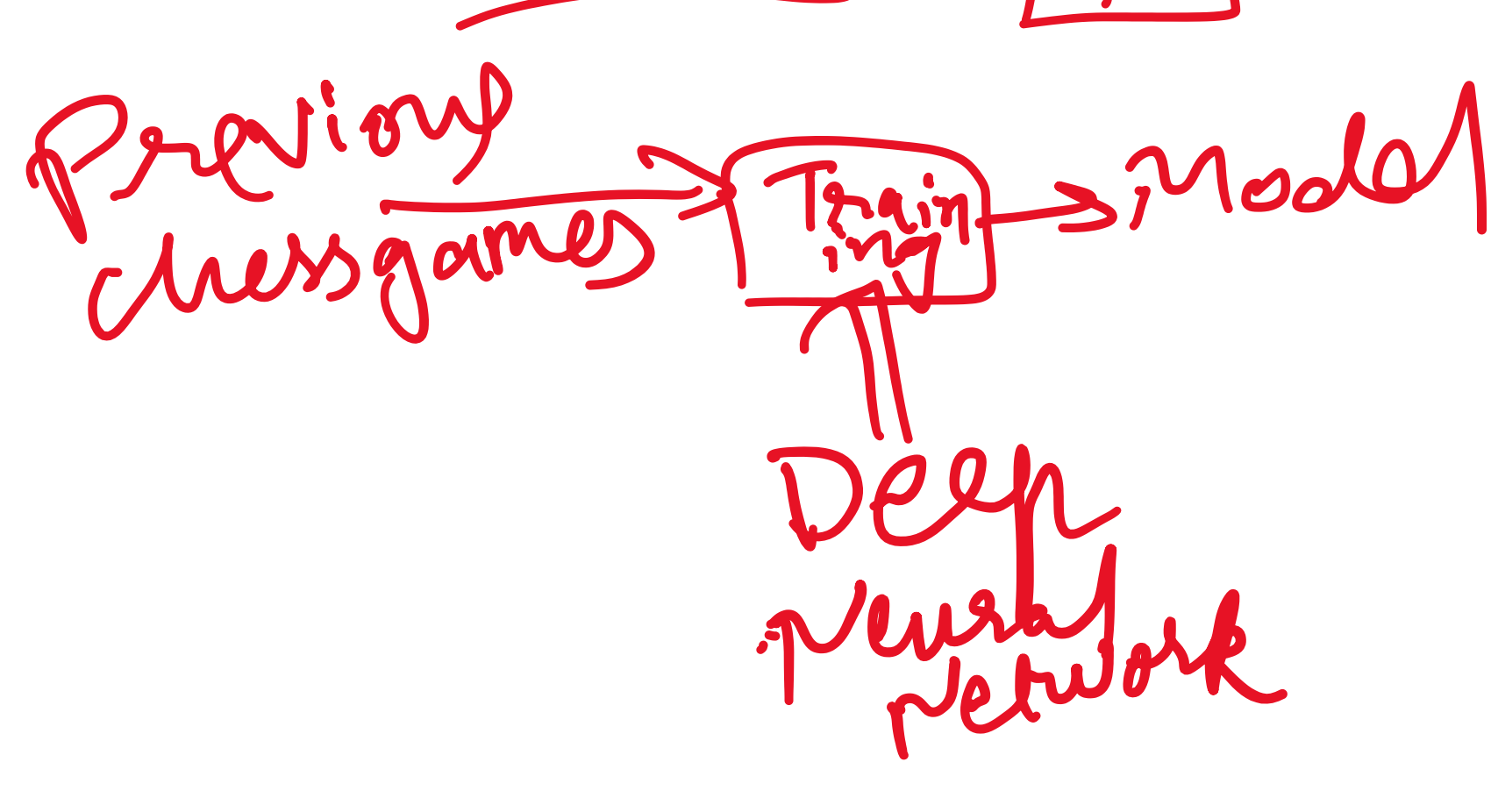
↓
Neural Networks



single hidden layer
Multiple hidden layer
is your architect

Deep Network
↳ Deep Learning

Make an algorithm that plays chess
→ I just hard code the rules



Clustering :-
Grouping similar objects together
& far away from dissimilar objects