AI US ML US DL

Deeplearning DL machine ML

Smart application that can perform its don task without human intervention

= x Self driving car

* Robols

learn, analyze, visualize &

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date. I also forecasting

date. 4 also forecesting model if time series data give.

* Recommendation Septem

* Recommendation Septem

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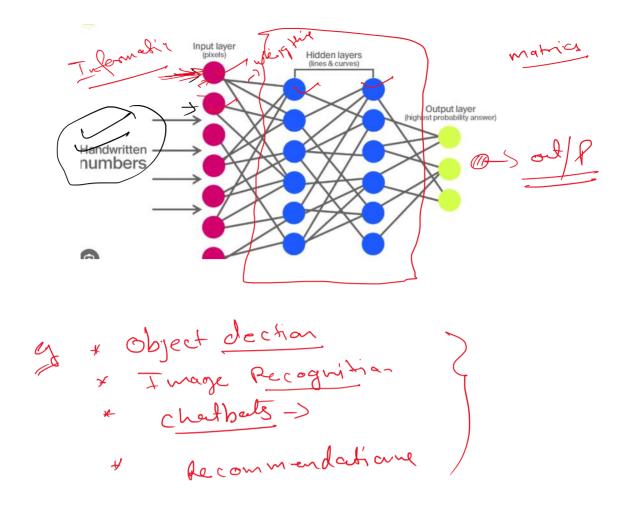
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* (b) Clausification Application

(b) Clausification Application

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What Is Machine Learning?

Machine Learning is the science (and art) of programming computers so they can learn from data.

Here is a slightly more general definition:

[Machine Learning is the] field of study that gives computers the ability to learn without being explicitly programmed.

-Arthur Samuel, 1959

And a more engineering-oriented one:

A computer program is said to learn from experience E with respect to some task T and some performance measure P, if its performance on T, as measured by P, improves with experience E.

-Tom Mitchell, 1997

D Supervised Machine learning > classification

Regression

1) Supervised	Machine learning L. Res	1 ~= 3 si ~
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Size of house Me. of rooms 120 Sqft 200 sqft 3 300 Saft 350 S9ft

11P -> model -> of c Price

Exam -> K- Heavest Meighhors

-> Linear Regression

-) logistic Regressia

-> support vector machine (SVM)

-) Decision Trees & Random breet

2 Unsupervised mc

The training date is unlabeled

Customer segmentation

 $/ 140 \rightarrow 0/P$

