INTRO (Tech) Oppostanità to inqueognes realisti dias un this 8 am bewaning Bytech in CRE from CEC, nicky knuar. 3 Bolonds to Bytone creenty? Good hand in Python & C++, My primary Pardrade 10 Bayron. 6 9 have also good basic Knowledge about Doms. > 9 have done my 4 Weeks industrial toaining in bathon from 301:40,166 infeats graind which 9 have reade a project name rappor beice begirder noint linear redression ofdorigum. bouson ang a aw 261t-motinateg berson.

Nam/sil nd streendth is a are rangoner; d 4 My hobbytes is playing cricket, listening

mugic 2 91m also good in cooking.

us my ethic is "9 never neglect on opportunities to impreone while !. .

Laptop Price Predictor (How works)
Explainte laptop Price Predictor à a machine learning Based Project, which is a web application that used to predict the frice of gifferent rappop. Us So, First of all 3 have taken the dataset from website (quickers com) which contain data of the different Laptop then we perform data preprocessing on that dataset. Jata Preprocessing include process such as
data cleaning, data transformation, data integration & data reduction. Then we split the data set into set set gayaset then me not timear societien aldoreightu to year, one wogg. as an unt people of yours are no of ingspengent Variable Such as Size of Laptop, RAM, storage type etc. to predict the dependent variable ive poice of the Laptop. is that's all about my project.

- Database Asog => H3 Excel
- · 1862 Interface -> Stream pist (34 is module of Pathon for UI (wer - interface).

OUTPUL captob beice reegictor Company Name 08 - wivolow, Nac RAM Stomoge Ules griffer a Rom beegiet brice 160000

Uses the Protect / Advantage / APPlication/ Need why you devloped the Protect / Infortance,

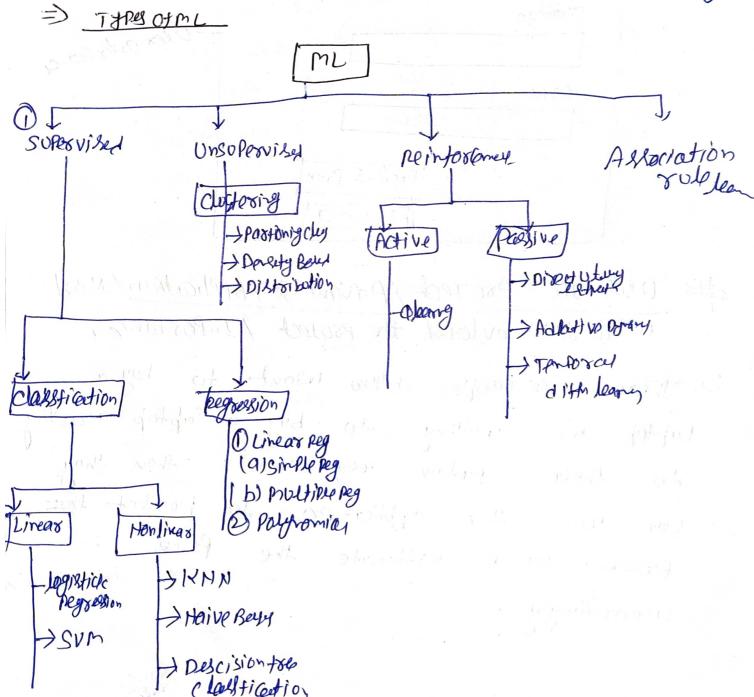
why you devloped the Protect / Infortance,

whose the People who want to buy a laptop according to buy a laptop according to their certain requirements then they can use this application to predict the price.

Price where estimate the Price

(1) Machine learning

- Machine learning is an AI tech that teachs Completer learn trom exprenice.
- to learn grown dispety from wha.
- · Deep learning is specialized toom of maoning lanning.



- 1 SUPERVINE LEArning
 - · Supervived mu builds a model that makes Poldiction belief on evidence in the pollence of uncertainty.
 - "Asopervised learny algorish takes a known set of growt date and known seeporce to the output doct and trains a role.
 - · 94 you have know down too the output you are trying to predict.
- @ unsupervise learny.
 - · Unsuposurbed leaving First hidden pattern or instaral
 Structure in Infut deda.
 - · 9t is used to door 9 ntornes from dataset.
- 3 learning Association.
 - Association sole learning is a type of unsulervisis learning tean that cheek for the defedency of one docta 91 cm on another data 9 tem and nearly accordinary So that I am be now profifered.
 - eg: 94 a cortoner boy a preed, then bother egg story

@ Reinforcement Leaving

- Peintosomet leave in type of making leavy flot growned an agent leave to enteract with an envisored in order to acheive a specific goal.
- Purshinds based on 9ts action and learn to the action that 9th convertive server over the.
 - · The goal of deinforcent lean it to Firs the Optimens their their raximum the complete openand avant the
- · Plistorient leaving has been succesting afflus to a wide surge of Pobler grachely glave prengy Robots

SUPPRVILLE learney

- 1 9mpot douts is lables
- 2) It has a fledback necessary
- 3 94 divide into regression and classificato.
- @ 94 is used for Podiction
- A known no. Of Cledry
- 6 Testes
- (B) histy scalm B less scalme.

Unsupervill leavy

- O 9-Pot data is onlarly
- @ 91 has to fledbach me anden.
- 3) of divided gato clostoring 8 Association sole learns
- @ 91 is old for grayers

115 00000

- B A brenous ro. Of delis.
- Dislowing of making

the west mindered to other of marginal year of most most

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George day estated wath process of first control of its

imported the trivial try and to what the remaining investigation

as politice as ignitional as the part this in

Porseign to been on sta action and beautiful

the sale of from the first sale withing of their so as

action that works contenting outside with

21 Con to 1650 POCH 1882

Odds to all in 3 statistic soul.

Regression

- · pegression areasis is a Statistices method
 - 9t stowing the relationship by a defeat and 9rdefedent variable with one 0x rose 9rdefedent variable.
 - regrellion arelytes helps us to undorstant how the value of the deledant variable is changing corresponds to an orderedant variable. When othe ordered variary are fixed.
 - · 9+ Poldict Continuous/sear value such as tamp, aggresslery, price, e.t.c
 - => Need 16kg
 - · Prediction of doin Usig tono and other tactors.
 - · 9+ determiny persitet tours
 - · 9+ Prediction road accided doe to seek driving
- => 7 JP4
 - (b) Simple (b) Polyromial.

1 Linear regression

- O Linear regression is one of the easier and rost popular receive learning algoritms.
- De for Predictive analysis
 - Solary, Poice, e.f. C

- 3 Linear regression stowing relationship blu a defectly and godeport variable with one or none sudeports variables.
 - Value of the defeat variable dangly assuronly to and granded variable. When other gradely variable are fixed.

(a) simple linear reg

9+ a single gradeleder variable is used to Predict the value of a numerical defeat variable then Such type of pegression is alled simply livery pegression.

of alto two and HEBOTO,

de Part of

(b) multiple lirear regression

Potential moderations of your

of pool from one greeneds vasione is to Police the value of a momerical defeated vasiones, then soon type of pegression is Called puttiple line refamilion.

J= botb1x, +b2x2+b3x3--

groth not possible

2 Polyromial regulsion

· Polynomia regulsion is a type of segsisting algorithm their showing selections between defect and Indeed variable as not degree polynomial.

derin J.

J= bo+b,x; +b2x2 +b32 -- 16x7

Data Preprocessing

Ord rocking it a process of preprany the race desta

rodui tiset and coucial step while coloring a ML

=> Heed dota preprousing

end rough in an unusale towast which connect be directly used for ML rodels. So For the reacts we use detaposan

· Data Preprocessy is needed too cleary the data and rolars
gt soiters too ML rode. Which also increase the
according and ethicies of a ML rodel

=> retrods/ steps) types / performed Data Preprocur

1 Data cleary.

The First Step data preprocess is doute clear, where we recover goodelevant, incorrect or goodsout data from the detased. This step is essential for cleary the data because in accorde data can lead errores conclosion

2) Dota gategration

9 n some card, deta ray Contain moltiple sourcels.

9 t is essentice to gategrat, this data into Sigle data set.

- 9 nConsultancies in the detar
- Data gration is posticularly grostest when dealing with large, Orplex dataset their ray contain milling gravitant grownstion.
- 3 Data tronsforation
 - to be effective and deeta toundornection is telephone on to Convert the deta into the desired forment.
 - data transforation sell us to ensure that the destary clean and consulted.
- 1 Dato reduction
 - The destaset ray Contain a large armost of desta has is not sequired too the areaying. Data reduction to armose Such as, selection and direniorary reduction. Hat can be used to reduce the size of destaset, rating of lasson to analyse.
 - Data reduction is used to I-Prove the extricting and
- # Data spliting
 - · Data splity is the Proons of divide destaget in two Park.
 - · Data splitty tells to avoid ensure that pedel is unbiased . Data splitty helps to Improve the according of the reduc
 - traing set test set
 - · Training set => A subset of dutaset to train the me roll,
 - test set =) A subset of destased to test the merody and by using the test set model products

 the output