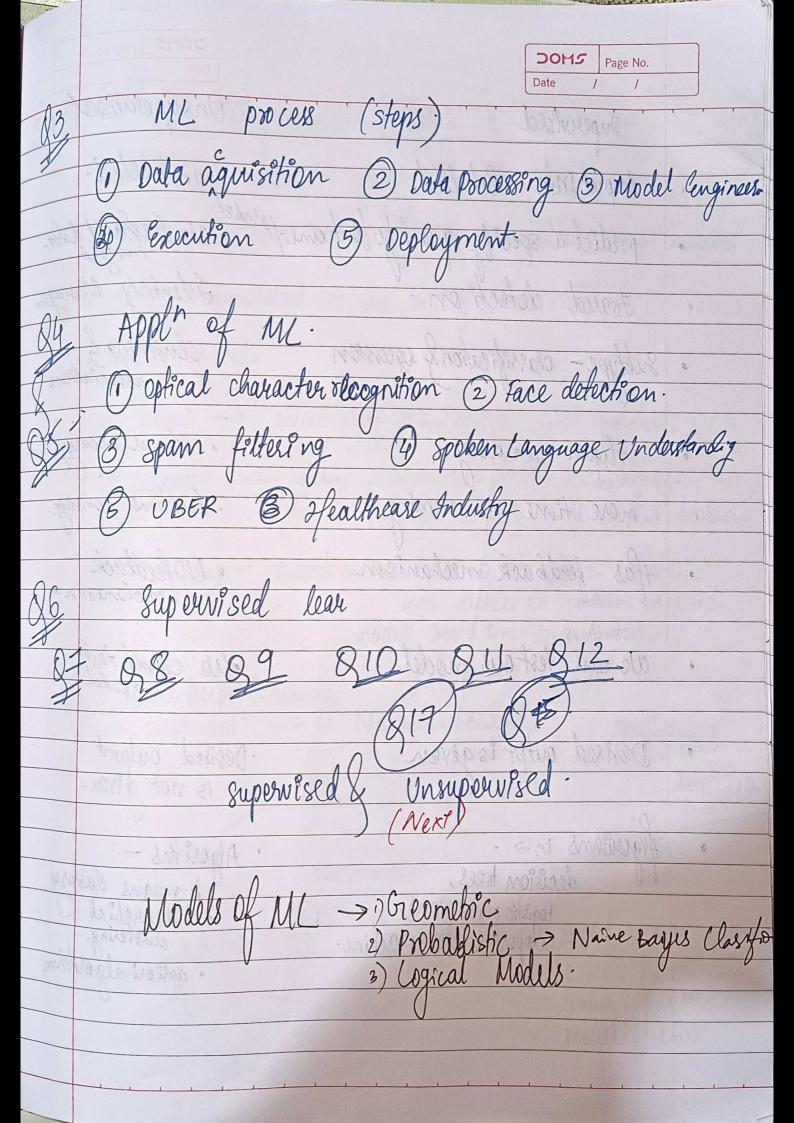
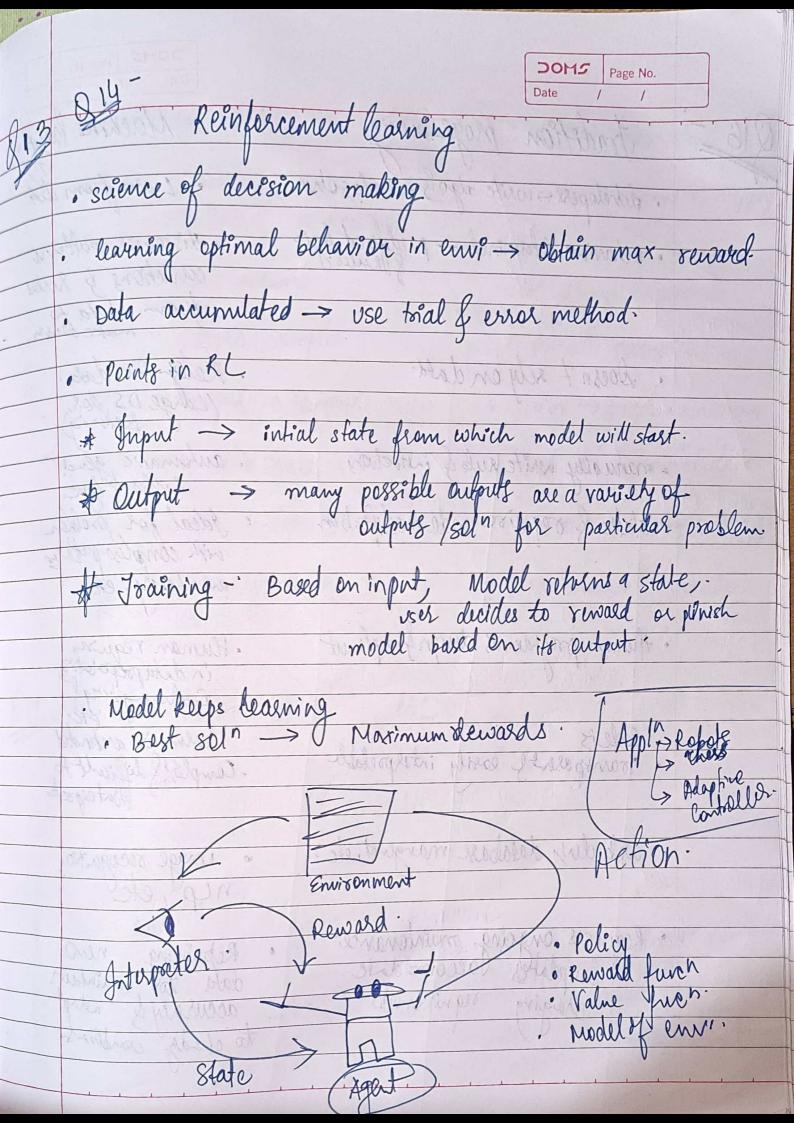
U-1 (ML) NEKALL & MI CO-P Machine Learning -· subfield of AI concerns with developing computations theories dof learning & building learning machines. imitate the way that human learn, gradually Emprove accuracy (use of data & algor). also ensure as Eastern satisficial Do guil Data Duven Decision Making Automation of the way a color many Peusonalization (Voer experiences) Improved Accuracy Cost Reduction Healthcare Advances. Accessoribilety Scientific Discovery. Economic Crowth Education & Skill Development. Clip Board ECOFRIENDLY BOARD



Date / / Unsupervised. Superinsed unlabelled. Input Data - labelled predict a specify quantity loutcome predict Understand data. Identify Manage Fraud detects on clustering & association. Subtype - classification & egession More finne comsuming
flas feedback mechanism · Lower accuracy · less time consume · No feedback We can test our model · We can't test Deserred outpt is given · Desided output is not given-Algorithms in >. Algoriths 
k-means clustering

tustering

apriori algorithm decision trees, togistic regressions, support vector machine.



Tradition programmiq Machine Casque 016 · developers - write algo & rules to solve · Learns from date · Behaviour determined -> predefined logic & Rules: · discovers putterns collections & Rules from data forces · Doesn't sely on data. . Relay on data. (Large DS for saining) · manually write rule & instruktory automatic glad · static & require code modification Ideal for problem with complex patterns wentarry, etc. · Human programmes disign & implement · Human requires in data preported in feature agricus · toanspalents easily interpretable learny is antinoted · Complex & difficult to · web der database margenet, etc. image recognition Regultes ongoing maintenance. Supdates Jacconnocdate Changing requirements Repaining new data to maintain accuracy & adopt to choos conditas

Parametec Non-Parametric · learner -> summarized.data through collection of parametels. · no assumptions of mapping fuch. , Jest group means 'Jest group medians' . need larger samples · small samples. · info -> popula -> known , info > popl > unknown . Interval & vatio scale data · Ordinally nomial data. · Samples all independent. · not nessorcy > sample > independent · eg -> logistic regression eg > K-nealest neighbors. Please Variables Corporation Imp elements of ML. 1) Training
2) Validation Jext 3) Appln. 1) Data 2) Features 3) Algorithms.
4) Model 5) Joaining 6) Validation
4) Kyper Parameters 8) Less such
1) Yesting & Ewalnetian 10) Deployment

