Date:
CAN Date:
- To create or generate realistic distribution  - People not exist but can create realistic image
- People not exist but can
- Competition b/w 2 NN
- Generator -> produce data  possible  Discriminator -> classify not possible yet balayega is it
Cruci - Henerala Fools
- Min-Max -Ine discriminator.
- It is Qual objective problem
Steps taken by GAN
min max (D, a)
Generalar - Fake Image
Descriminator > Real Image
- train 2 times discriminator as they need to classify an get train more so it will be more powerful but not the regid that it won't accept any fake image. Both
training works together
- MINIST dataset also store. Generator is inverse convolut
networks where it trace image as output
Train the GAN
1) Build model with same no. of layers
2) true distribution & train discriminator by binary
3) Create input from noise & feed to discriminator
4) Generator output is their input
5) Uses Sigmoid due to binary classification
6) 1035 is fed-back as dist blu take image Breatinge
So work by KL-divergence
Victory 7) Done bill convergence . Page No.

Date:
Challenges
· Convergence is slow especially in exploding gradient  knorchosowia  result and mushkil hai weight main bonut
· Sensitive to hyperparameter
- Cannot use object count
Stake Diffusion -> Improved/powerful GAN
5 Diff from GAN -> Stat diff can count
. Model Collapse (vanishing Gradient) -> Gradient iting
Kum ke weight change na ho -> leaky Relu
Agr dis penle ni learn karle to gen kabhi learn nhi hogi
Guidelines
· freeze training after sometimes
TYPES
1) Vanilla GAN  2) CGAN (conditional for classifier)  3) wasserstein we use for label to put in generator likes)  1055 func like earthmover 4) Style GAN we use for  foshion-trace image as input

Victory

Context-aware Recommendation Date:
Contexe-quale reconstitue de commendation
- Context is important for personalize recommendation
- views: Representational -> donot change over time
Like dob, first long
interactional -> that change over period of time
like budget change hota hai
- Sometime it is not given so infer it
in the week context:
1) fully observable - factors know.
hue details
2) Partially Observable = Some known like if pakistani
So was language
3) Unobservable = Nothing known like family member
but useful if eg mood by lands so
activity check
- Architecture agy comedy change tou remove emotion
- Filtering, filter and recommended movie first me
a) Contextual post-filtering: after recommend order date
3) Modelling: add context inside Rs algo 12 and context
1 - 10 - 01 / 11 - 1
- Drawbacks- I) No serenctipity as it filters out  - Drawbacks- I) No serenctipity, performance not evaluable  a) Rs no integrity, performance not evaluable
a) Rs no irregricy p
3) complex implementation
-Advantages 21) computational low  a) user profile easily erealcable agr same filtering
3) 0561 pie
so a user ki ek profile