	Integration of Blockchain and Machine hereningly
	⇒ Blockchain technology - Decentralized database emphasize on data security and Privary ⇒ Concensus mechanism make some data & legiti- mate and secure
	issue majority attack ) pata analytics adouble spending I required
	eg Smantapplications_ SG, VAV, smaat cities  Generate huge amount of data  U-Data is concern  security issues
	contained a time stamped series of lamper pacox records.  managed by a cluster of distributed computer.
	B.T., immutability  Decentralization  Laurency  Digital Currency
Star	majority attack (51% attack)  Ly bit attacks for face Edentity Someration of these  Frobust intrusion Detection is require

to detect intrusion and attack patterns M.L. (analyse the exappe) > M.L. helps computer to study, thing and act neithout entervention of human. =) In smart application data should be secure. BTensuaes data security & MI provides confidence no predict untaustheouthy nodes based on past putting >MI poconsion building application that learns through experience, application specific. MI, Superitsed L'unsupearised Gleakning data analytics

M. L. Medel | Medel | Breekchans Smart application - production ! - smantcities Smart Internet - Energy ducolization

Derices things Bounces services antégration of ML en Bleekchain based application I could be based on specific segement of chain eather 2) could be need - transpetention d'identity etrest detortion. detection.

- -> Benefit nehen MI & applied->
  - i) regitemate used authentication
  - in) Bleexchain intégaates public nu models unto smant contacts to ensure team and condition are sustained.

to contaibute data, helps to improve all model

performance.

en) mi models can be updated on chain environment

of BT neith small fee v) like Ethersom, deal neith thousands of desertations machines all over the record, the guaranted users that it is mever completely unkeachable or offine

- >> Smart applications
  - A) Constomer Seavece
  - B) Paduit Manufaituring-
- c) Unmanned Gerial Verhicle \_ (drone) Kuzmin proposed broevchaintained OAV\_NET model\_ eincludes devices such as N/N of satellites ; cellular base stations and ground contact stations. BT\_preserve the integrity of data, Communication B/N satellite & Bos. Is prone to electromagnetic jammeng. BT based technology enables to store relevent coordinates & operates autonomously within zamming zone.
  - system, smart weather and nenter system, smart reality vehicular traffic, servellance system,

healthcare, etc.

=> challenges ->

= Parvacy.

= Memory

3 Implementation:

z security.