Why Deep Learning Is Becoming Popular

2005 → Facebook, Youtube, Whatsapp, Instagram ⟹ DATA WAS GENERATED EXPONENTIALLY
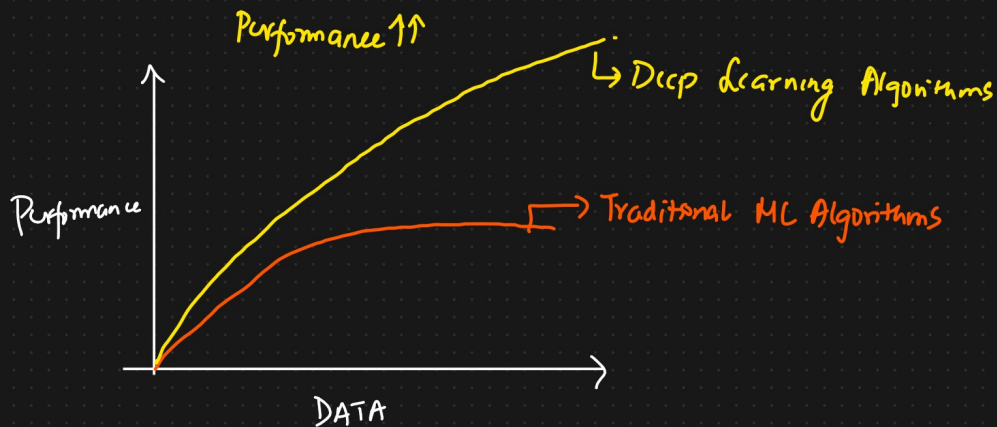
⋮

2011-2012 → BIG DATA

⋮

2017-2018 → Companies ⟶ DATA → OUTCOMES → Improve Products

Deep Learning ⟶ Multi Layered Neural N/w

Points

① DATA IS Generated Exponential   LLM Models → Billion of parameters

Performance ↑↑

↳ Deep Learning Algorithms

Performance

↳ Traditional ML Algorithms

DATA

② Nvidia ⟶ Hardware Requirement → GPU's ↑↑

Cost ↓↓ → Technology .

③ Frameworks ⟶ Open Source

Google   Facebook ⎫
                          ⎬ Community ↑↑
Tensorflow   PyTorch   ⎭

④ Deep Learning is Used in Many Domains

① Medical
② Ecommerce
③ Retail
④ Logistics
⑤ Marketing

High Paying Jobs ⟶

Avg hike ⟶ 110%.