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# Assignment-1

1) Impacts of ai with daily life

→ AI has already begun to significantly impact daily life in various ways and influence is expected to continue growing

These are some key areas where AI is impacting.

a) Personal Assistants & Smart Devices:-

* Virtual assistants like Siri Google Assistant and Amazon Alexa use AI to understand and respond to their commands.
* It Performs tasks like Setting reminders weather updates, Plays music and controls smart home appliances

b) Health care :-

* AI is been Improving medical diagnostics drug discovery, and Personalized treatments Plans
* ML ~~can~~ algorithms can analyze medical images like x rays & MRIs to aid in early disease detection while wearable devices can monitor and alert users.

c) Autonomous Vehicles :-

* AI Plays a crucial role in self-driving cars enabling them to navigate detect obstacles.

and make split-second decisions
* This technology has the potential to revolutionize transportation, making it safer and more efficient.

4) Financial Services:-

* AI algorithms analyze vast amounts of data to detect fraudulent transaction and it predicts market trends

5) Education:-

* AI-driven educational tools provide personalized learning experiences, adapting content and placing to individual students needs.
* This enhances engagement and helps students learn at their own pace

2) Example of how AI is used in reallife

-> 1) Matching Riders and drivers:-

* When a rider request a ride AI algorithms quickly analyze various factors such as the rider's location and estimated travel times to match the rider with the most suitable driver.

2) Dynamic Pricing:-

* AI driven pricing algorithms adjust fares based on real time factors like demand, traffic congestion
- This helps balance supply and demand, while providing price transparency to users.

3) Route Optimization:-

* AI algorithms help drivers find the most efficient routes to their destinations taking into account traffic conditions, road closures, and the other variables.

4) Safety Features:-

* AI-driven safety features monitor trips in real time to identify any unusual behaviour or potential safety concerns. For instance, if a trip deviates significantly from the expected route the system may trigger an alert to both the rider and the company's safety team.

5) Driver Behaviour Analysis:-

* AI can analyze driver behaviour, such as braking acceleration, and adherence to speed limits, to encourage safe driving practices and improve overall road safety.

3) Refer on all popular cloud services on different appliances.

1) Amazon Web Services (AWS)

* AWS Provides a wide rang of cloud services including computing power storage, database, networking, analytics machine learning and more.
* Appliances such as servers, storage devices and IOT devices can connect to AWS services through APIs and SDKs.

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2) Google cloud Platform (GCP)

* GCP Provides services like computing storage databases, machine learning and more
* Appliances including virtual machines containers and IOT devices can connect to GCP services.

3 IBM cloud.

* IBM cloud offers services like compute storage AI analytics and blockchain.
* Access IBM cloud services through the IBM cloud console CLI and APIs

4 Microsoft Azure.

* Azure offers services like Virtual machines, databases. AI analytics and more
* Azure can be accessed through the Azure Portal, Powershell CLI, and SDKs.

~~5 Google cloud Platform (GCP)~~

5) Alibaba cloud.

* Alibaba cloud offers services like computing storage AI and more.
* Access Alibaba cloud services through the Alibaba cloud console CLI, and APIs.