

INTRO. TO AI at the Edge

Edge - processing { local
near to local

Edge - NO. need cloud { may be used to Train model }

Application:-

Edge Based Vs cloud Based

<p>Robot For surgery { self-Driving car</p> <p>Tracking Animals { Detecting Heart beat (watch)</p> <p>{ Remote nature camera</p>	<p>{ Voice Assistant</p> <p>{ Sales Transactions.</p>
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Importance of Edge :-

Network Impacts (In-Expensive compared to network)

latency considerations (Real-Time processing)

Security (personal Data protection)

Optimization for local (Optimize Software For Hardware)

History:-

First network ATM

WWW

Smart Meters

currently

(1970's)

(1990's)

(2000's)

(To Date)

Smart speaker

Refrigerator

locks

smart Warehouse Features

Increasing

NOTE:-

According TO (per intel)

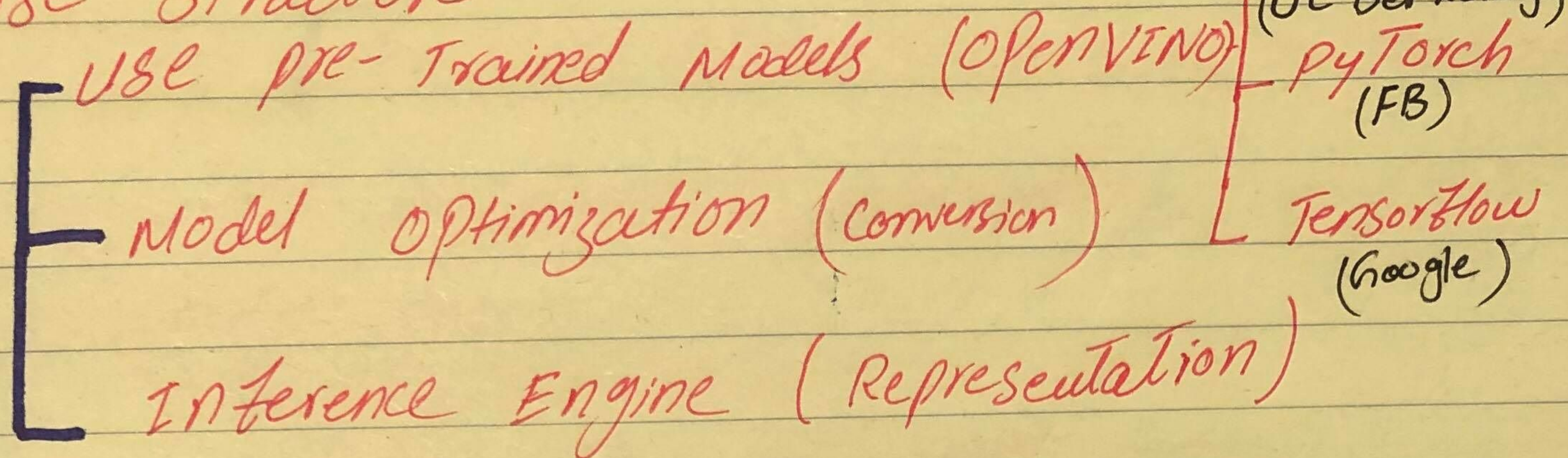
IoT Growth

2 Billion Devices } 2006

200 Billion Devices } 2020

course Structure

main steps →



overview:-

Train your own Model

→ NOTE that There is NO Training of Model but Open Model Zone use Model optimizer to convert your Trained Model into IR for IE.

Pre-Trained Model

