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Al - next Billion \$ Opportunity?

What is AI?

Technologies that mimic human perception!

Rule Based vs Pattern Based

What is the big deal?

Grey Area Decision Making

Why AI?

## Healthcare is choked by less number of doctors and beds



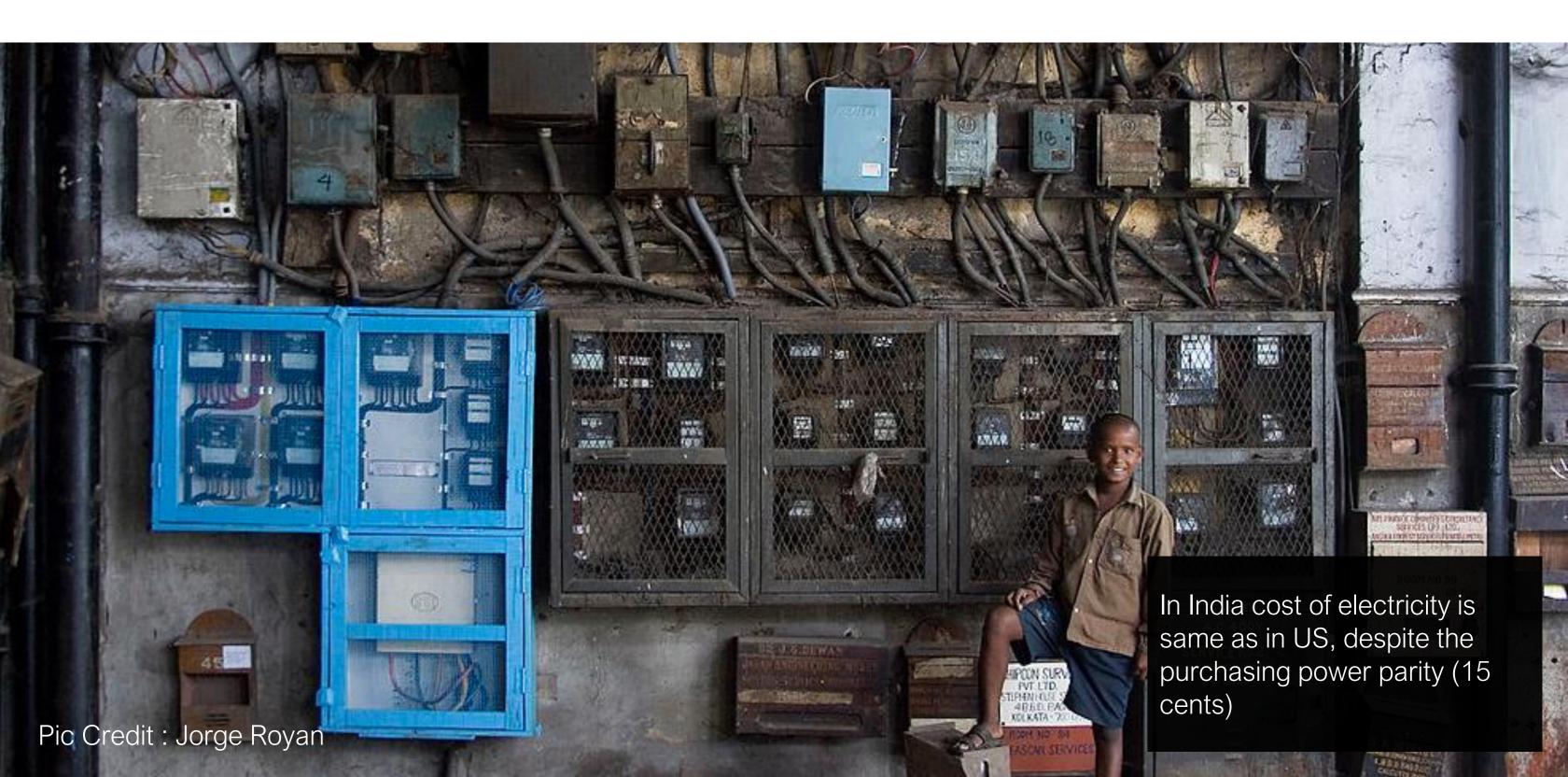
## Education can't scale as we don't have teachers



## Millions are unbanked



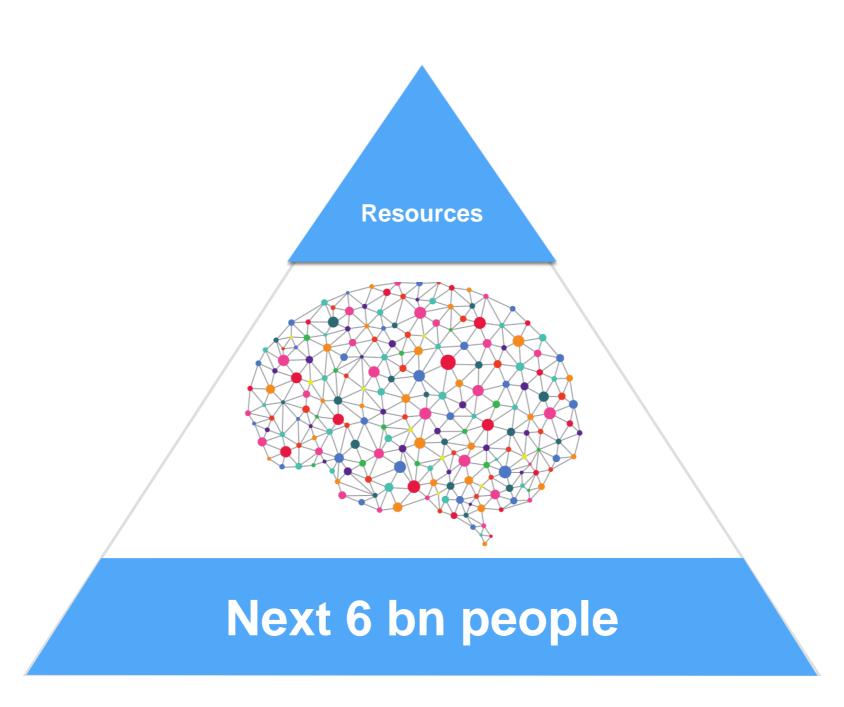
## Energy is expensive and usage inefficient



## Transportation & logistics are broken

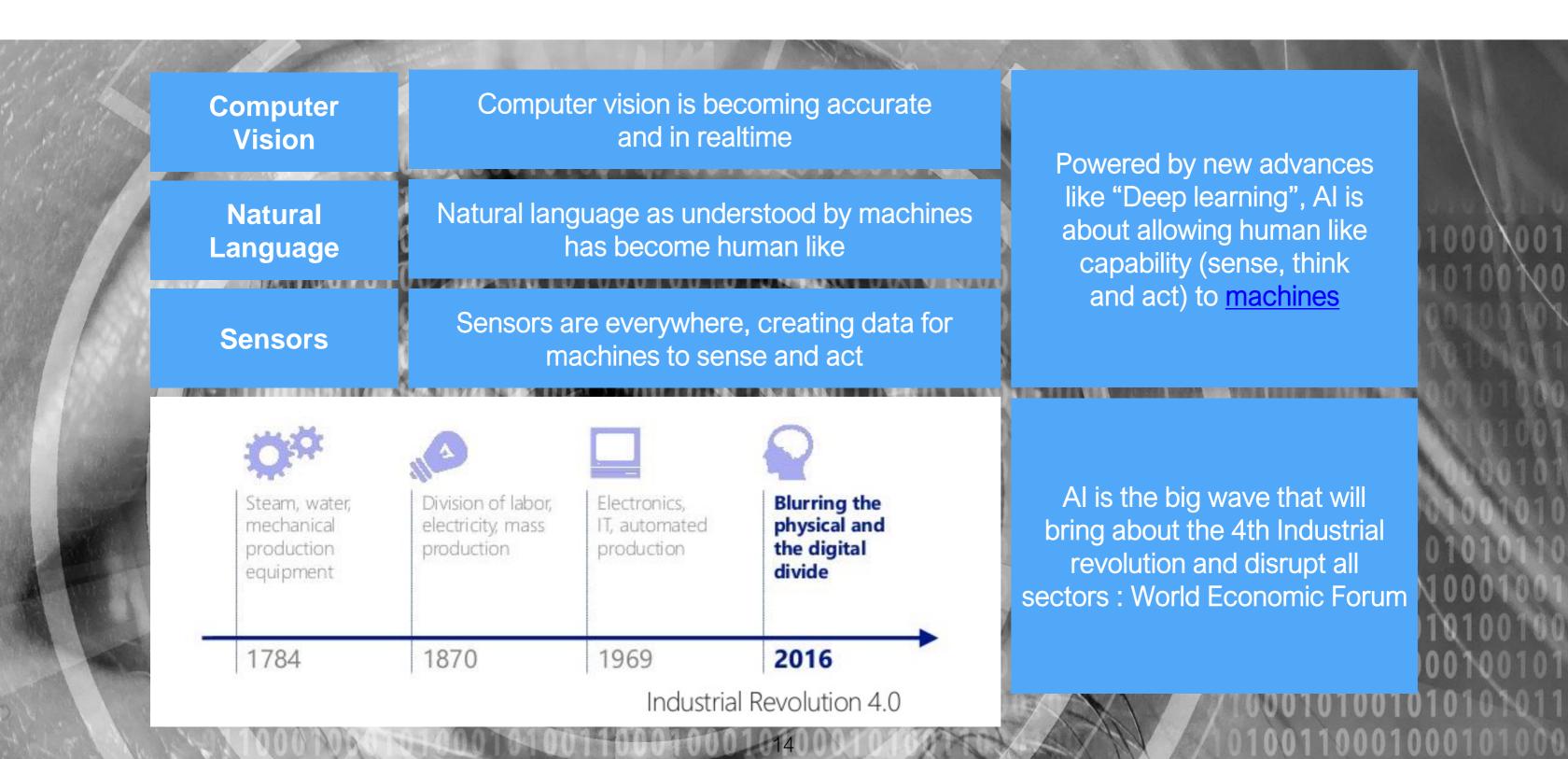


## Al can help us scale scarce human talent & resources to next 6bn



## Why everyone is excited now?

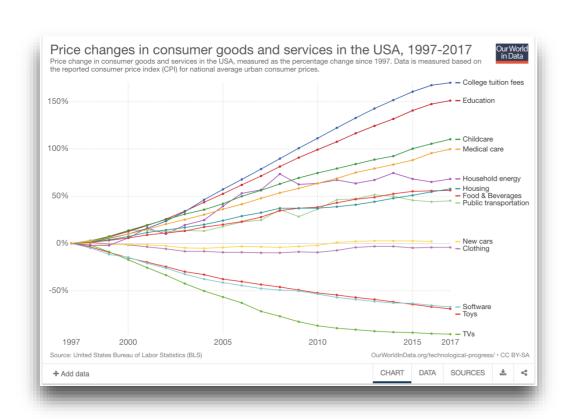




Impact of Al

# Technology Products are deflationary whereas Human Services are Inflationary





... But human enabled essential services are becoming more expensive

More Indians have mobile phones, TVs than access to healthcare, sanitation, education

## Al is to Services what Industrial Revolution was to Products

- Al Productises Services
- Al Democratises Services
- Al Scales Services
- Al Augments Services

Trends / Markets covered by Al



## Largest Market Segments for Al

Al to add \$1 Tn to the India's GDP and add 1.5% to the GDP Growth Rate\*



Healthcare - \$ 100 bn



Enterprise - \$ 200 bn



BFSI - \$ 250 bn



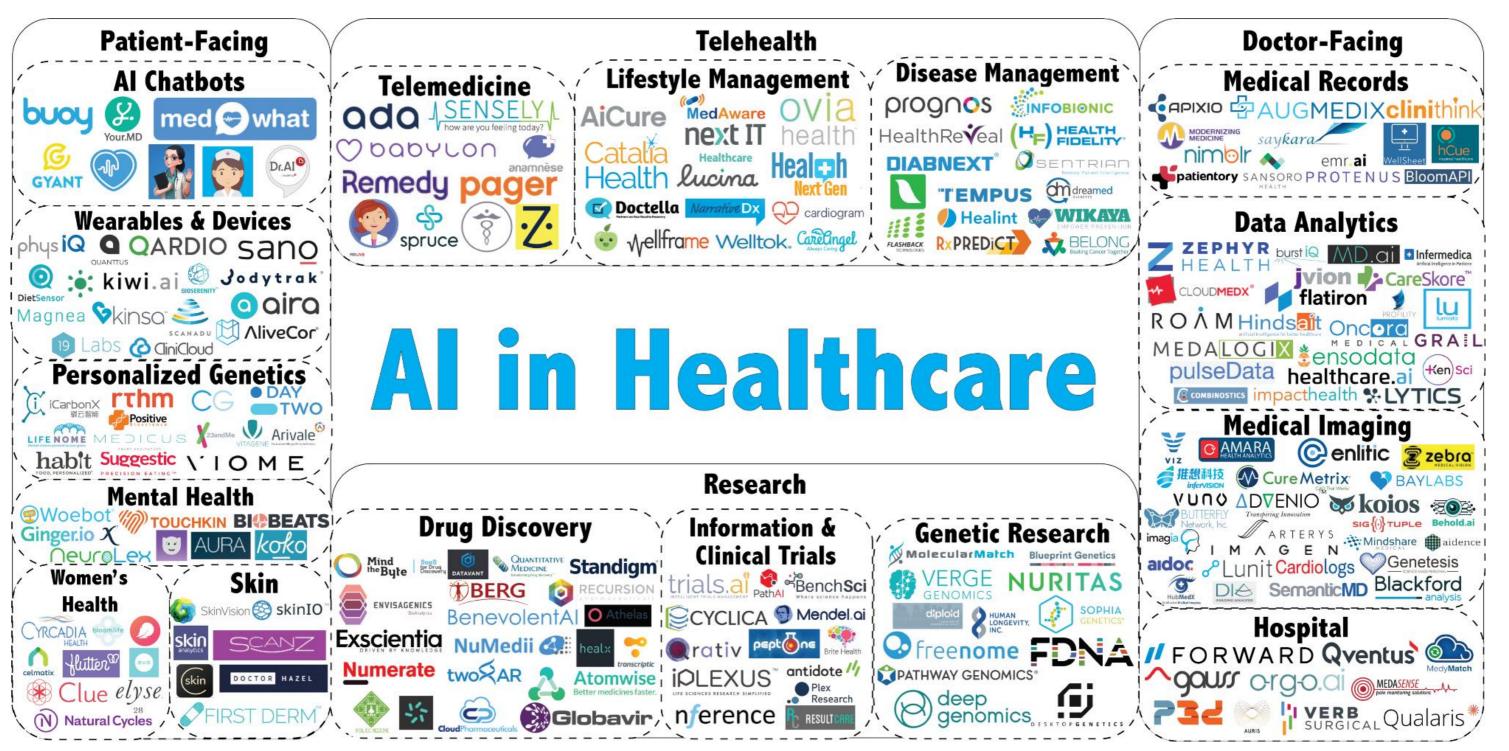
Education - \$ 50 bn



Logistics - \$ 200 bn



## Al in Healthcare





## Al in Fintech

#### **CREDIT SCORING / DIRECT LENDING**

Use AI for robust credit scoring and lending applications.

## ASSISTANTS / PERSONAL FINANCE

Al chat bot and mobile app assistant applications to monitor personal finances.

## QUANTITATIVE & ASSET MANAGEMENT

Employ AI algorithmic trading and investment strategies or tools.

#### REGULATORY, COMPLIANCE, & FRAUD DETECTION

Use AI to detect fraudulent and abnormal financial behavior, and/or use AI to improve general regulatory compliance matters and workflows.

#### **INSURANCE**

Use AI to quote and insure.

## MARKET RESEARCH / SENTIMENT ANALYIS

Use AI to efficiently research and measure sentiment.

## GENERAL PURPOSE / PREDICTIVE ANALYTICS

Use AI for general purpose semantic and natural language applications as well as broadly applied predictive analytics.

#### **BUSINESS FINANCE & EXPENSE REPORTING**

Use AI to improve basic business accounting, including expense reporting.

#### DEBT COLLECTION

Use AI to improve creditor collection of outstanding debt through personalized and automated communication.

## Al in Commerce



## REAL-TIME PRODUCT TARGETING

Machine learning to present online shoppers with personalized product recommendations.

#### **VISUAL SEARCH**

Image recognition platforms to help e-commerce websites let visitors search by image, instead of text, and match relevant products to specific images.

#### **CONVERSATIONAL COMMERCE**

Chat software and chatbots focused on helping shoppers make purchases in a conversational text format using natural language processing.

#### **SIZING & STYLING**

Al-powered software to help retailers integrate improved product sizing and outfit-building tools into their websites.

## INTEGRATED ONLINE & IN-STORE ANALYTICS

Digital and physical store analytics to understand customers better.

## REAL-TIME PRICING & INCENTIVES

Machine learning to adjust pricing, sale options, rewards, and coupons in real time to try to push hesitant shoppers toward conversion.



## LOCATION-BASED MARKETING & ANALYTICS

Digital and physical store analytics, while also integrating beacon technology to track shoppers' locations.

#### NATURAL LANGUAGE SEARCH

Chat software and chatbots help shoppers make purchases in a conversational text format using natural language processing.

#### IN-STORE VISUAL MONITORING

AI-powered software that analyzes photo and visual content of store shelves to help brands track how products are stocked and promoted in real time.

#### **PREDICTIVE MERCHANDISING**

Big data analysis to optimize purchasing, allocation, and product assortment.

#### **MULTICHANNEL MARKETING**

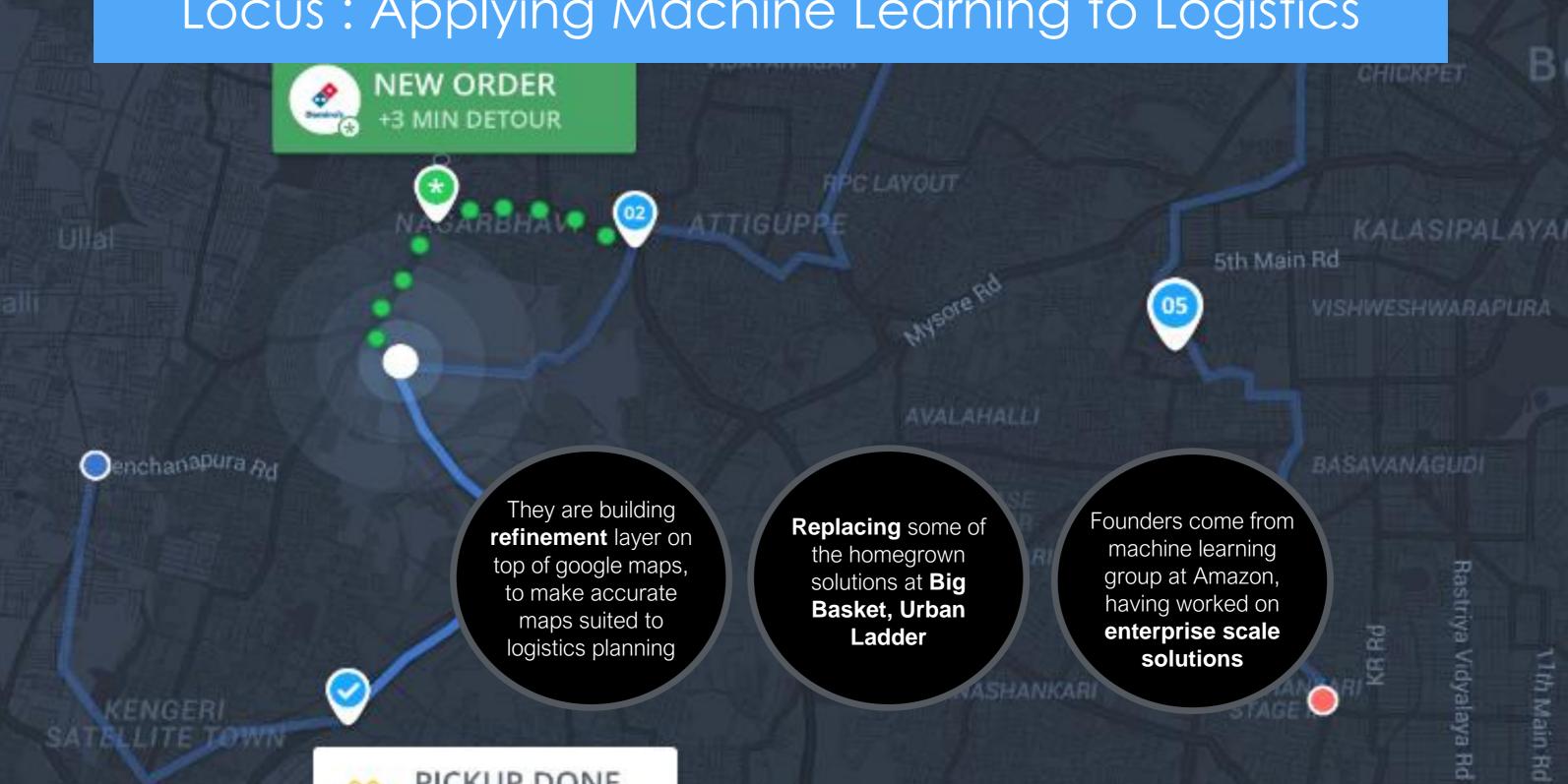
Using AI to create targeted marketing campaigns across desktop, mobile, email, and other digital channels. Inclusion limited to startups focused specifically on e-commerce.



"Some real examples"



## Locus: Applying Machine Learning to Logistics





NICE Ring Rd

NICE Ring Rd

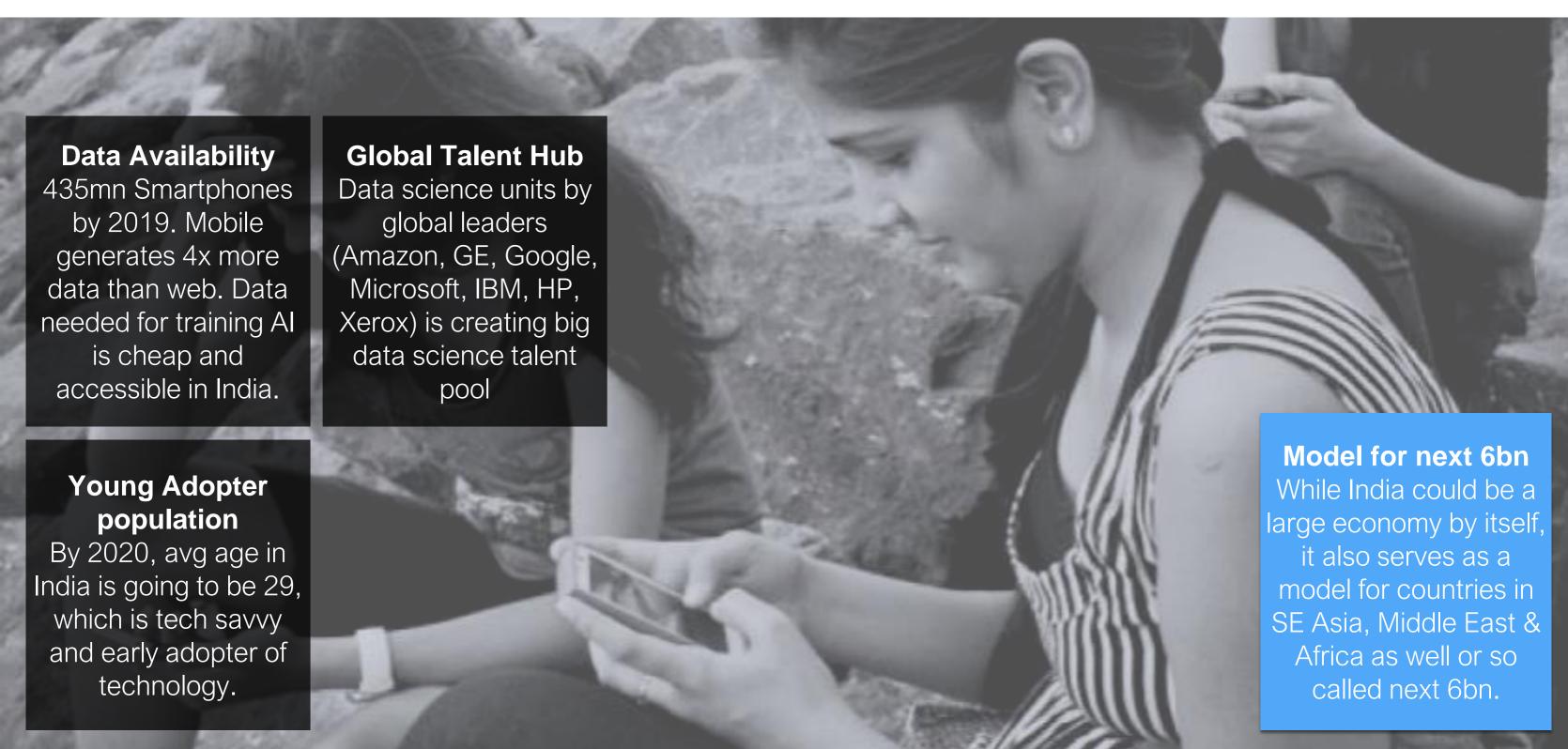
Maren

## Niramai: Non-Invasive Breast Cancer Screening Solution



Why India is interesting?

# India can be the model for AI for next 6bn





## JAI HIND\*

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\*Thanks to Prof Shivaram from IIT Mumbai for the phrase