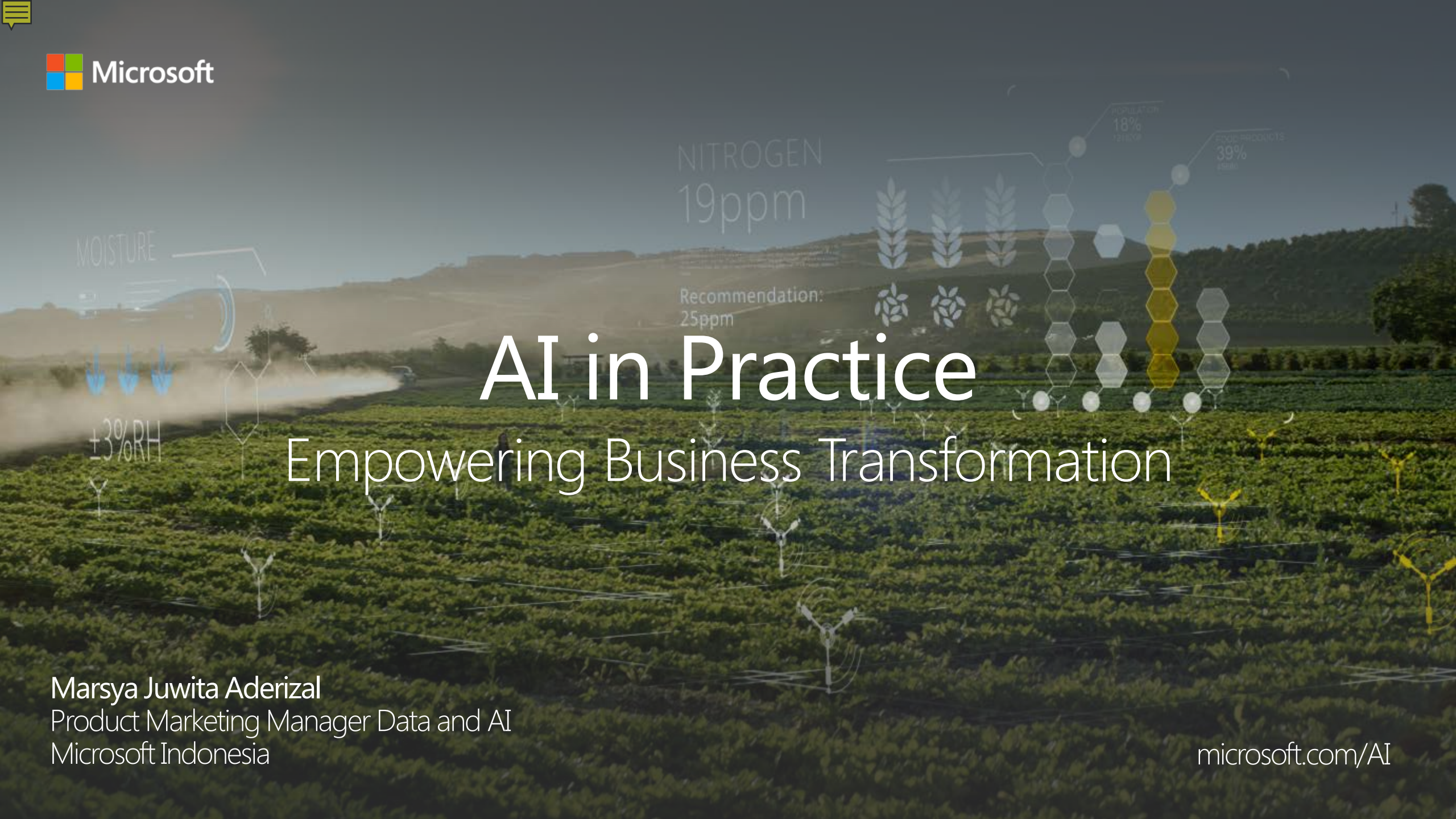


AI in Practice

Empowering Business Transformation

Marsya Juwita Aderizal
Product Marketing Manager Data and AI
Microsoft Indonesia

microsoft.com/AI

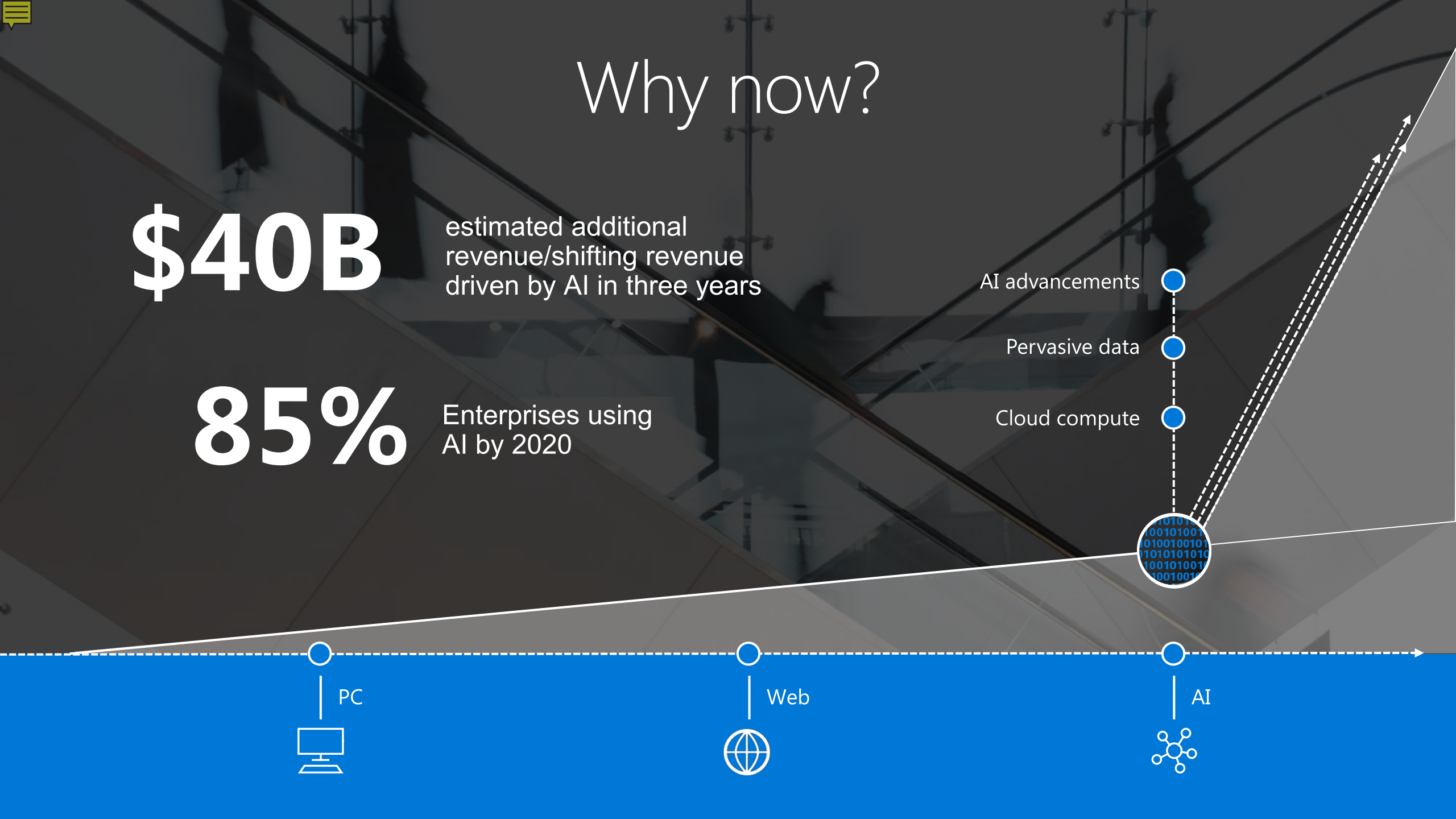
What is AI?

Technology that can perceive, learn, and reason to extend the capabilities of people and organizations

Why now?

$40B estimated additional revenue/shifting revenue driven by AI in three years

85% Enterprises using AI by 2020



Microsoft AI Platform

Azure AI Services

PRE-BUILT AI

Cognitive Services

CONVERSATIONAL AI

Bot Se

CUSTOM AI

Azure Machine Learning

Azure Infrastructure

AI ON DATA

Cosmos DB | SQL DB | SQL DW | Data Lake

AI COMPUTE

ark | DSVM | Batch AI | ACS | IoT Edge

CPU, FPGA, GPU

Tools

CODING & MANAGEMENT TOOLS

VS Tools for AI | Azure ML Studio | Azure ML Workbench

Others (PyChar… …lotebooks…)

DEEP LEARNING FRAMEWORKS

3rd Party

Cognitive Toolkit | TensorFlow | Caffe

Others (Scikit-learn, MXNet, Keras, Chainer, Gluon…)

Azure AI services

Bot Service

Accelerated development for conversational AI.

Cognitive Services

Vision, speech, language, knowledge and search pre-trained services customizable for any scenario.

Azure Machine Learning

Experimentation and management services for creating AI models with productivity.

Retail
Manufacturing
Healthcare
Industries
Education
Agriculture
Media &
Communications
Automotive
Financial

The AI transformation

Digital Agents

Transform your engagement with customers and employees

Intelligent Apps

Leverage AI to create the future business applications

Business processes

Transform critical business processes with AI

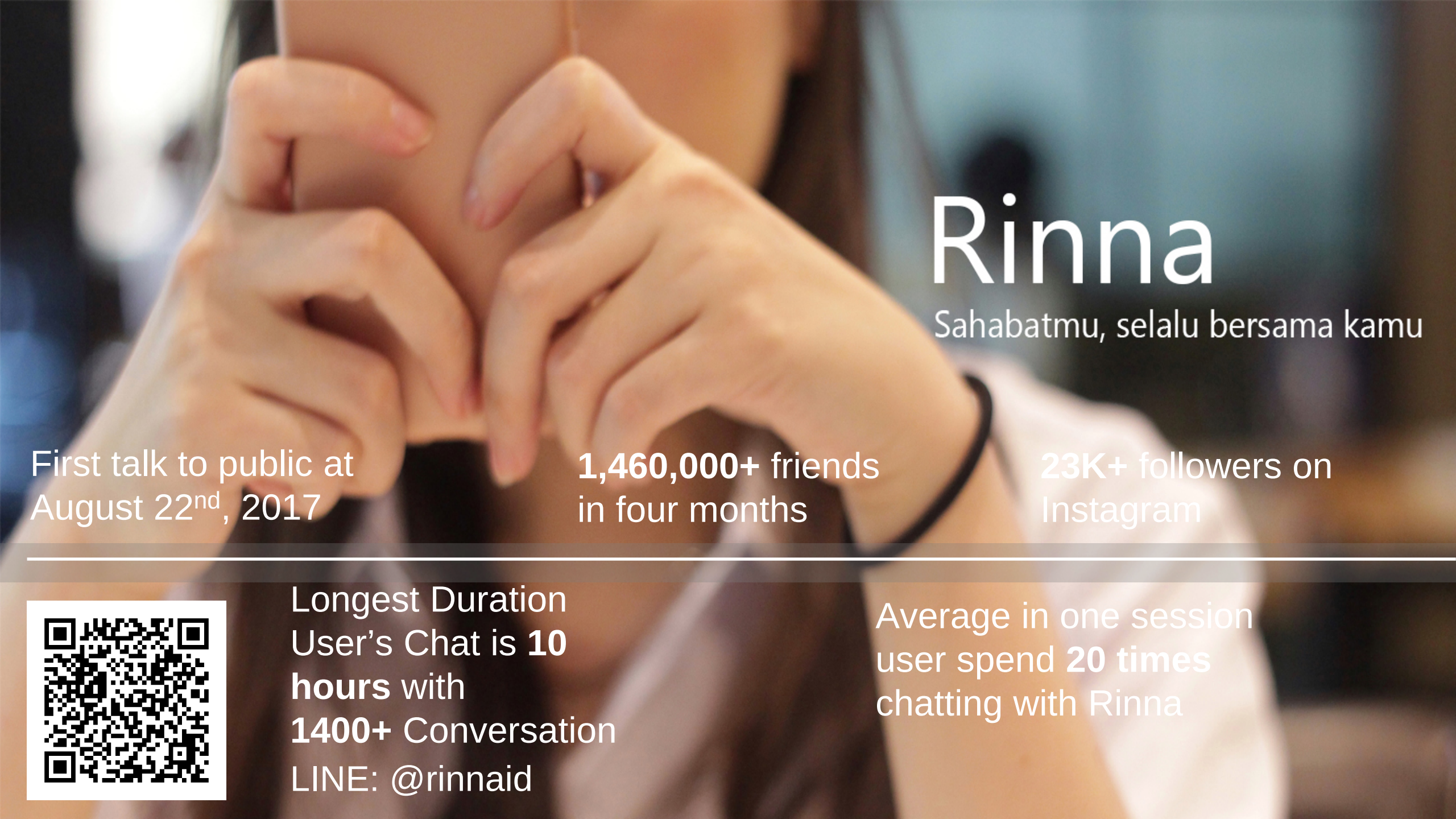
Source: Forrester, IDC

Digital Agents

95% **Customer interactions**
powered by AI bots including telephone and online by 2025

Engage customers
Build a loyal customer base with a 24/7 customer-centric approach to your business

Empower employees
Increase employee productivity and allow for focus on innovation by freeing up time through automation


Rinna
Sahabatmu, selalu bersama kamu
First talk to public at August 22nd, 2017
1,460,000+ friends in four months
23K+ followers on Instagram
Longest Duration User's Chat is 10 hours with 1400+ Conversation
LINE: @rinnaid
Average in one session user spend 20 times chatting with Rinna

Intelligent apps

75%

Applications including AI

By 2018, 50% of apps will include some form of AI

App innovation

Infuse AI into existing apps to improved user experience

Knowledge extraction

Backend-infused applications will leverage latent value in content

Bringing it all together

The Seeing AI Project

Computer Vision, Image, Speech Recognition, NLP, and ML from Microsoft Cognitive Services

Read Blog Here

Watch Video Here

UBER

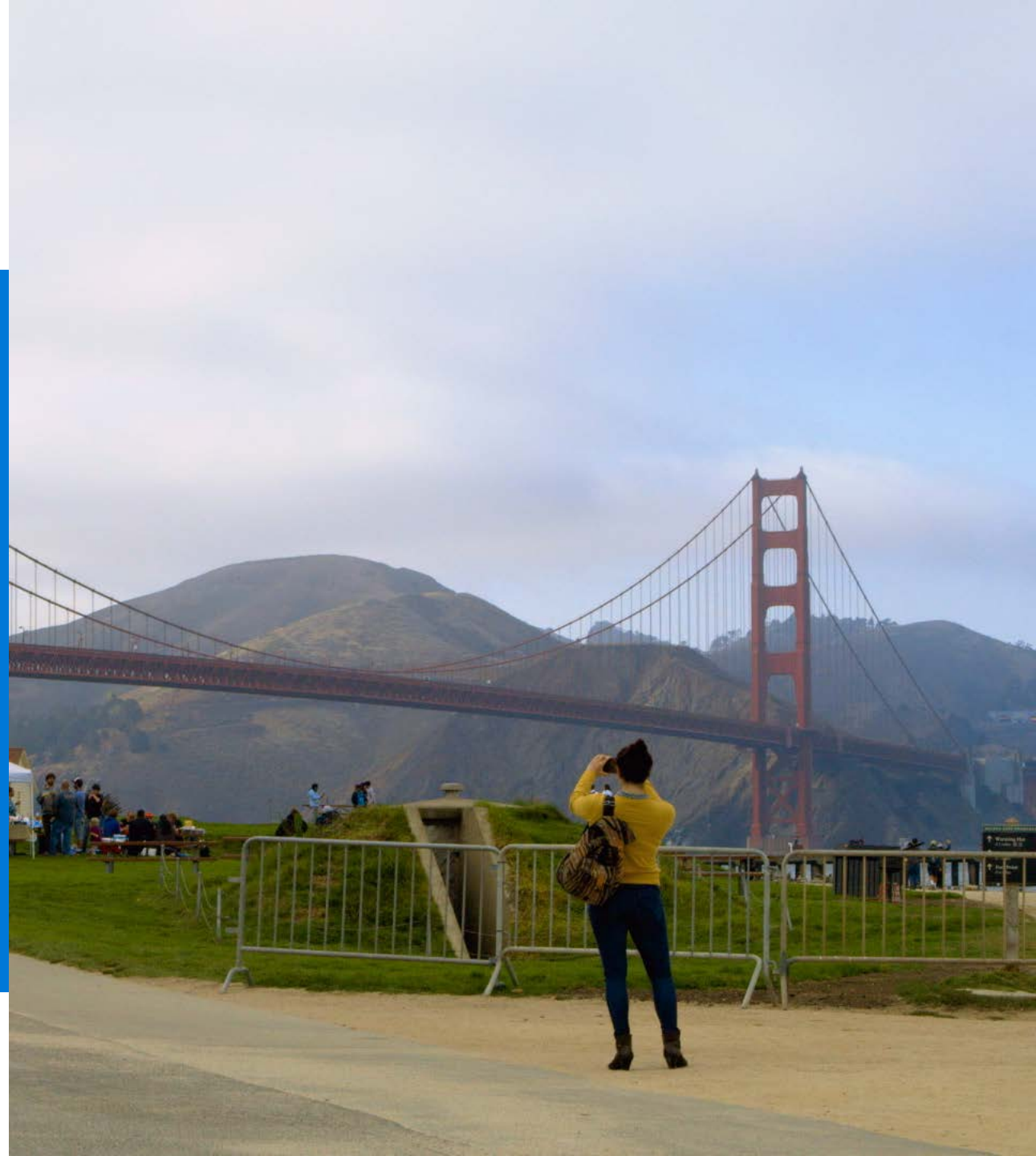
"Thousands of partners sign in to our platform every hour. The response time from the Face API is incredible, enabling us to verify our drivers without slowing them down."

Dima Kovalev, Product Manager, Uber

Face API

Read case study here

See video here



Transform you business processes

85%

Enterprises embracing AI

By 2020, 85% of Enterprises will be using AI on at least one process

Financial Services

Risk Analytics

Fraud Prevention

Customer Next Best Action

Retail

Personalization

Dynamic pricing

Advanced retail planning

Manufacturing

Predictive Maintenance

Operations Automation

Fleets management

Microsoft

Customer need

Revenue forecasting for critical-business decisions such as resource allocation, performance management, and inventory optimization.

Impact

Accurate and automated forecast predictions on demand.

Enhance business leaders' expertise with data-driven, baseline forecasts.

Internet of Things

Remote Monitoring

Connected Factory

Predictive Maintenance

Device Simulation

aka.ms/IoTaccelarators
aka.ms/AzureIoTcatalog

Johnson Controls

Connected chillers come back online **9x faster** than unconnected equipment, avoiding more than **$300,000** in hourly downtime costs

DUNAV NET

Keeping farmers informed about when to irrigate, how to control diseases, and how to fight pests, has led to **increased yields of 30%**, and a **20% reduction** in water use

ROLLS ROYCE Rolls-Royce

Rolls Royce provides maximize aircraft availability by employing “power by the hour” model; cutting fuel usage by 1 percent could save **$250,000** per plane per year

New !

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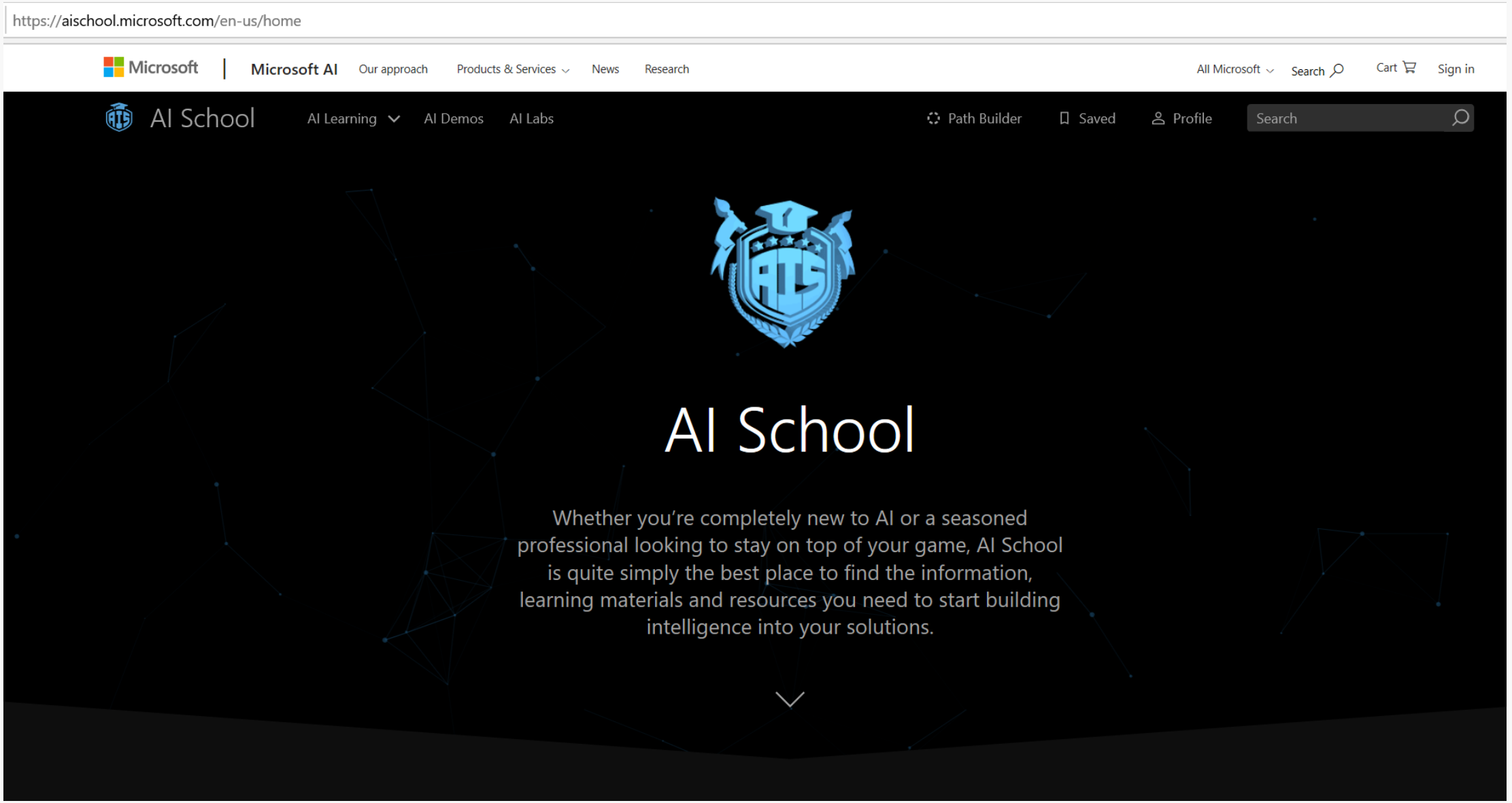
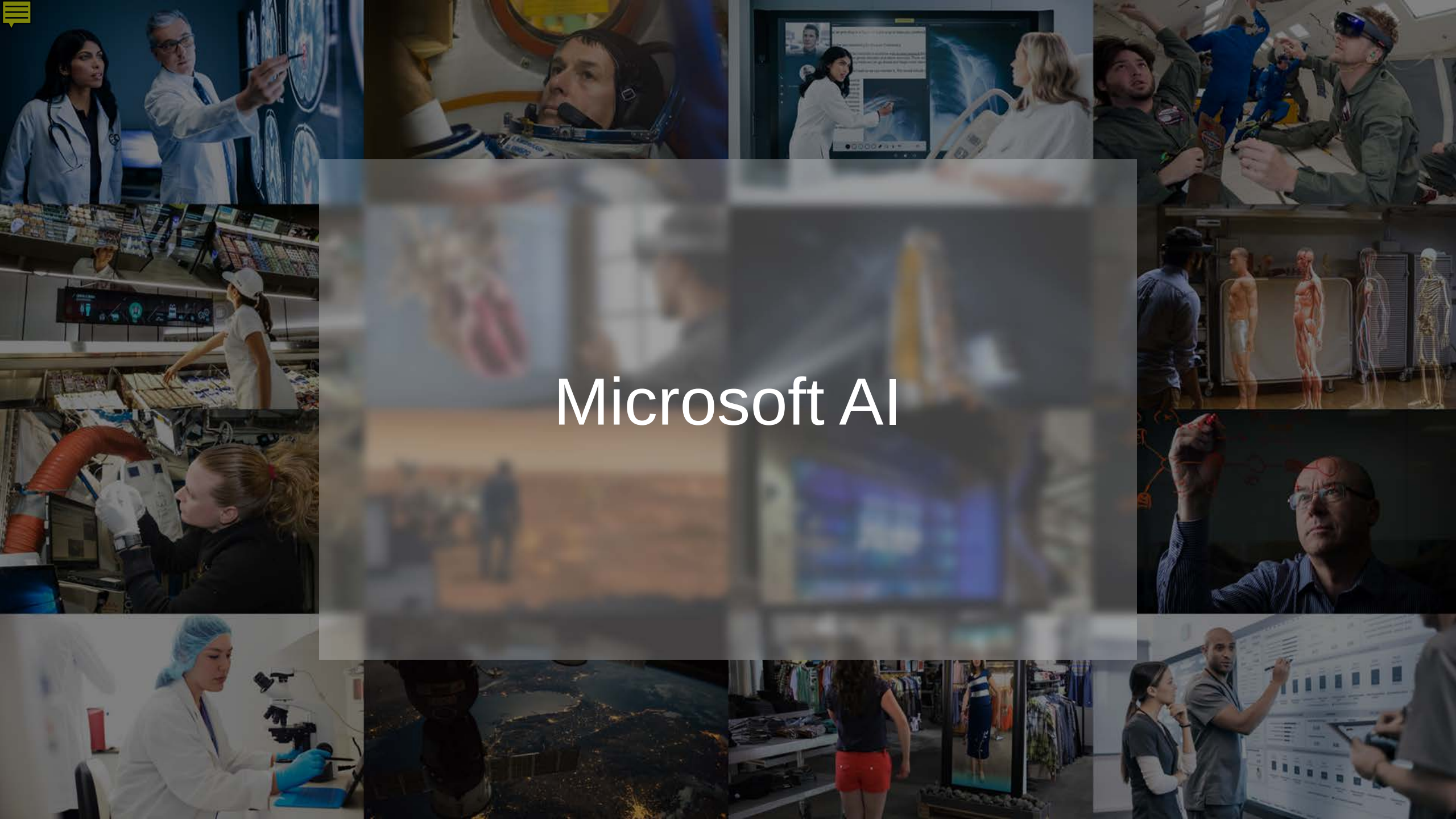
- Interactive coding environments for hands-on experience
- Earn achievements and recognition for your Azure skills

Start today at Microsoft.com/Learn

Microsoft AI School




Microsoft AI

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