

Future Ready with Al

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Skill Need of Artificial Intelligence

DIGITAL TRANSFORMATION **REQUIRES NEW** SKILLS



6.2 MILLION

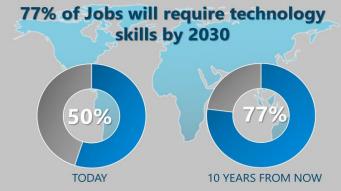
Cloud-based technologies By 2022

42 PERCENT

Of employers believe that new graduates are prepared for the workforce







McKinsey Global Institute predicts that by 2020 there will be

85 MILLION SHORTFALL

Of high- and middle-skilled workers



74 PERCENT

Of current employees report needing to retrain for jobs of the future



ONLY 3 PERCENT

Of all undergraduate degrees in the US are in computer science - and only 18 percent of those are women

Emerging Jobs Report

Data and AI related roles top the list of fastest-growing jobs in the world! Are you prepared for the job market?

Linked in



Below are the three fastest-growing jobs LinkedIn looked at across Asia, UK and US:

<u>Australia</u>

1.Al Specialist
2.Cyber Security Specialist
3.Robotics Engineer
India
1.Blockchain Developer
2.Al Specialist
3.Javascript Developer
Indonesia
1.Al Specialist
2.DevOps Engineer
3.Customer Success Specialist

<u>Malaysia</u>

1.Data Scientist
2.Customer Success Specialist
3.BIM Specialist
New Zealand
1.Cyber Security Specialist

2.Data Engineer 3.Full Stack Engineer Philippines

Robotics Engineer
 Cyber Security Specialist
 Customer Success Specialist

<u>Singapore</u>

1.Al Specialist 2.Robotics Engineer 3.Full Stack Engineer

<u>Thailand</u>

1.Data Scientist
 2.Back-end Developer
 3.Data Engineer

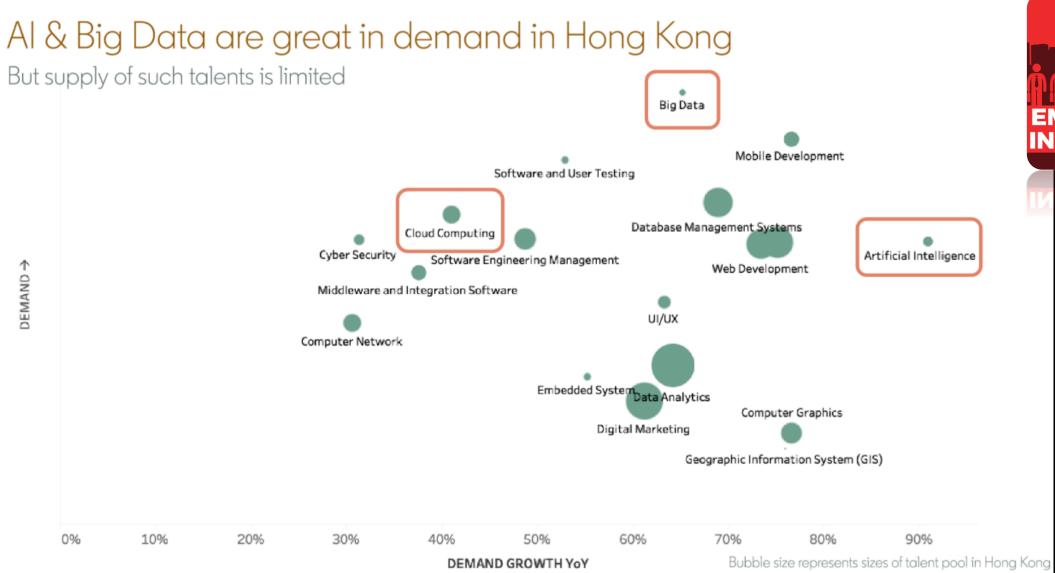
United Kingdom

1.AI Specialist 2.Data Protection Officer 3.Robotics Engineer **United States**

1.AI Specialist
 2.Robotics Engineer
 3.Data Scientist



Updated on March 2019





HONGKONG

Microsoft

Microsoft

Industry Transformation with Artificial Intelligence





human ingenuity

Amplifying human ingenuity

oil temperature 71°

6C0 + 6H 0 + ENERGY = C.H. 0



TO SCALE ADVANCED DECISION MAKING, YOU NEED TO EMPOWER EVERY EMPLOYEE TO REASON WITH AI



Novartis

https://www.novartis.com/news/novartis-and-microsoft-announce-collaboration-transform-medicine-artificial-intelligence



Novartis is bringing the power of AI to the desktop of every associate

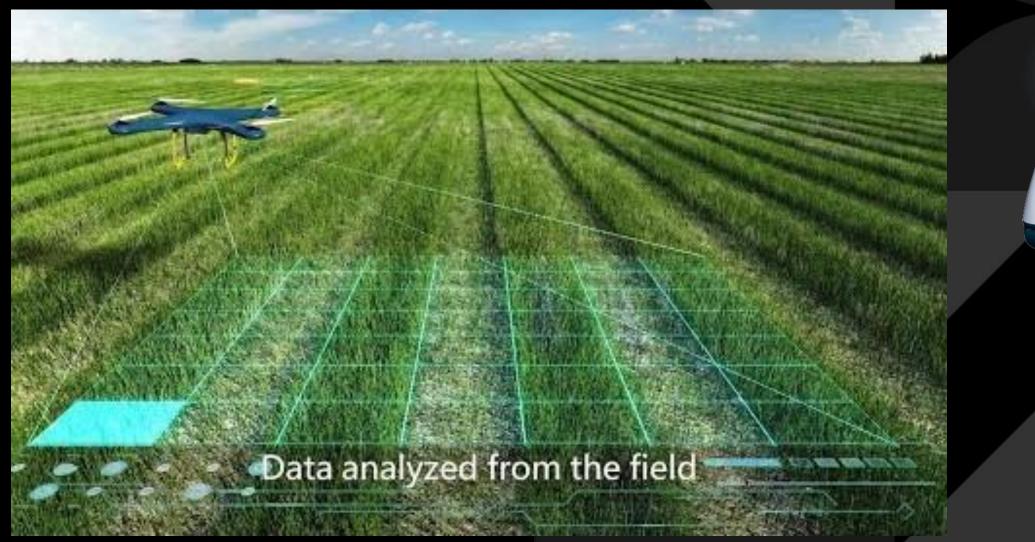
- At Novartis, they are bringing the power of AI to the desktop of every employee - *not just data scientists and developers* - with a goal of transforming how medicines are discovered, manufactured, and commercialized.
- To do this, they take a holistic approach, redefining how every business function can use AI—from research to manufacturing to distribution.
- Many of their 50,000 employees deal with a huge amount of data related to pharmaceutical information, like medical journal articles, chemical representations, gene sequences, and clinical trial results.
- With AI, they can quickly make sense of and key derive insights from this vast amount of unstructured information to take on the next wave of challenges in medicine.







Microsoft



Mackmyra



Mackmyra combines AI with human expertise to craft award winning spirits



- While brewing whisky is not what you would typically associate with AI, Mackmyra has found a way to combine 1,000-year-old techniques, human expertise, and craftsmanship, with AI to take their product quality to the next level.
- Over the past year, Mackmyra has partnered with Finnish tech company Fourkind and Microsoft to create the world's first whisky developed with artificial intelligence.
- With the power of AI at her fingertips, Master Blender Angela D'orazio was able to coach the AI models and algorithms to select the best recipe for bottling. By doing this, she was able to evaluate, test, and refine the recommendations based on her expertise and deep knowledge of the craft at a pace and with a level of detail never before possible.
- As direct evidence of the power of putting AI in the hands of the subject matter expert, the resulting whisky, **Intelligens by Mackmyra and Fourkind** was just awarded a **Gold Medal by the American Distilling Institute and named 2020 Best of Category International Malt Whisky.** Truly revolutionary.



Mondelez



- Mondelez is one of the world's largest snack companies, world famous for brands such as Oreo, Sour Patch Kids, Trident gum, Toblerone, Cadbury, and many more. They are always looking for how to bring the next great snack to market.
- Using AI, they will now be able to provide insights and recommendations to their master tastemakers to improve snack quality, discover new taste experiences, and delight our taste buds in new ways!

Mondelez is working to provide AI based recommendations to their master tastemakers to improve snack quality and discover new ways to delight our taste buds!



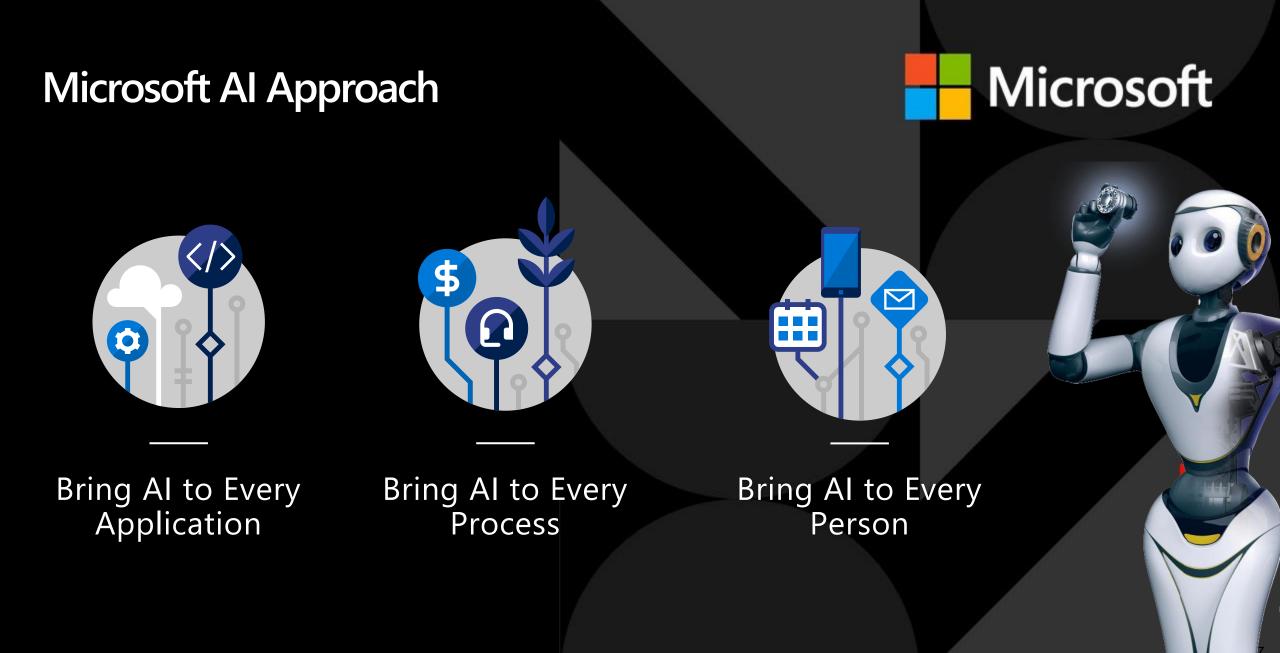








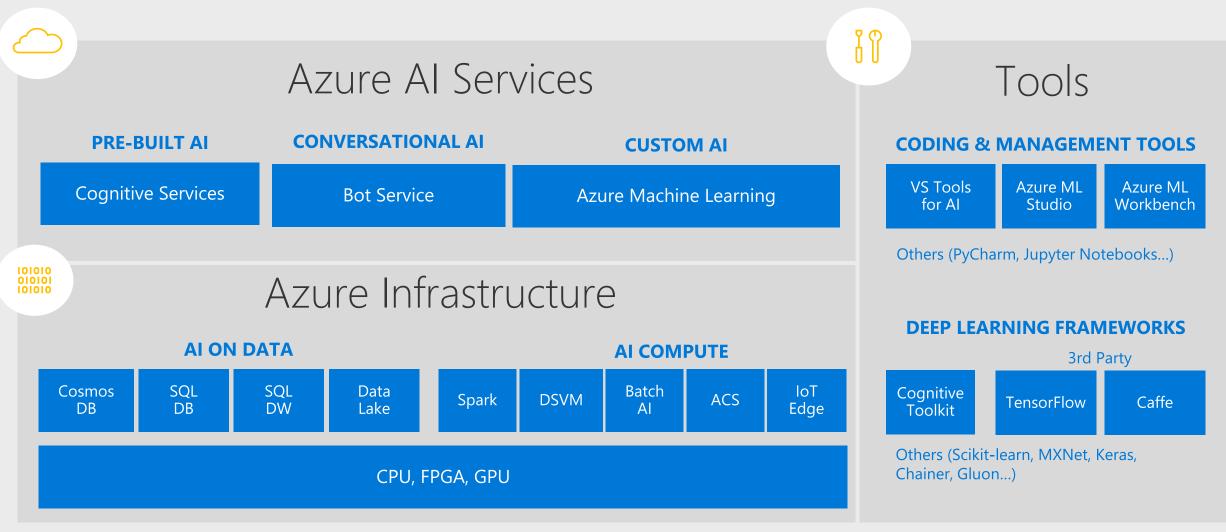






Microsoft Al Service Portfolio

Microsoft Al Platform



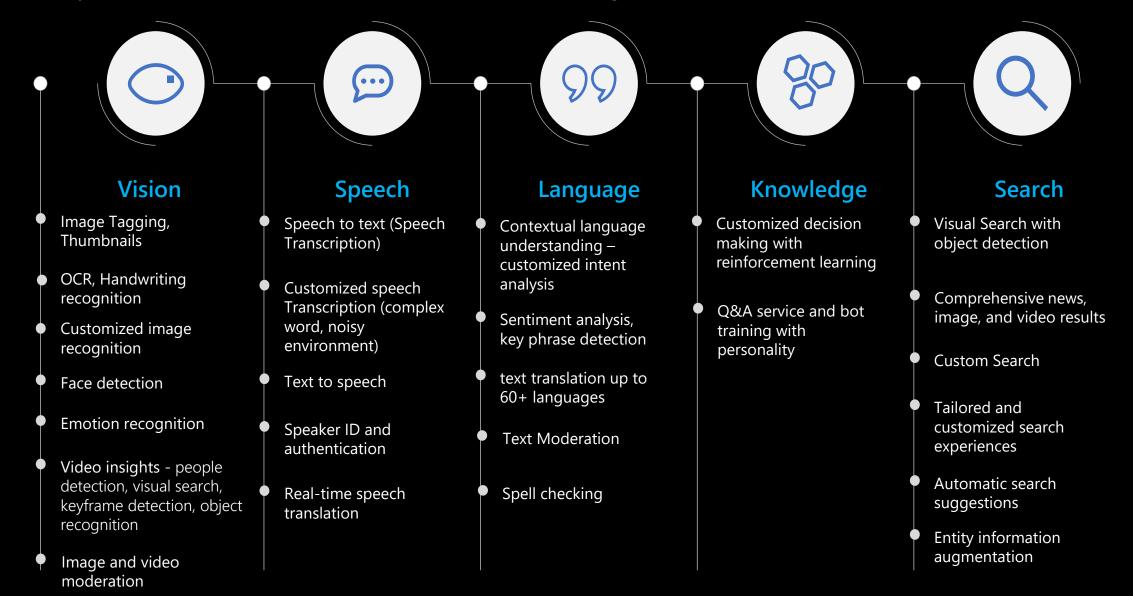


Examples of Microsoft AI Services



Examples of Microsoft Cognitive Services

Infuse your apps, websites, and bots with human-like intelligence



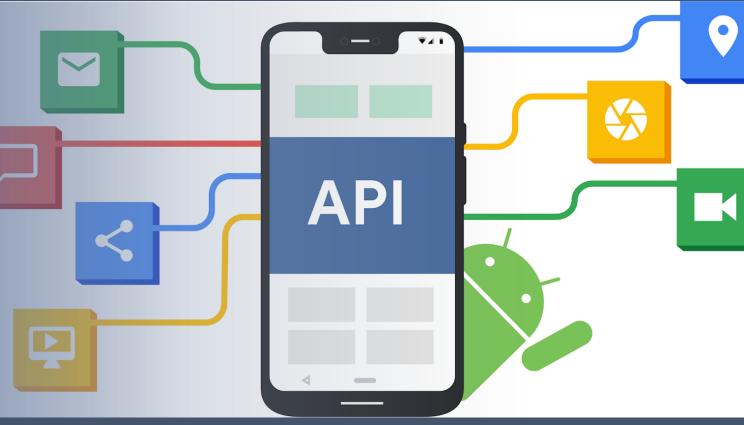
Application Program Interface (API)

An Application Programming Interface (API) is a set of routines, protocols, and tools for building software applications.

The aim of APIs is to help developers build intelligent applications without having direct AI or data science skills.

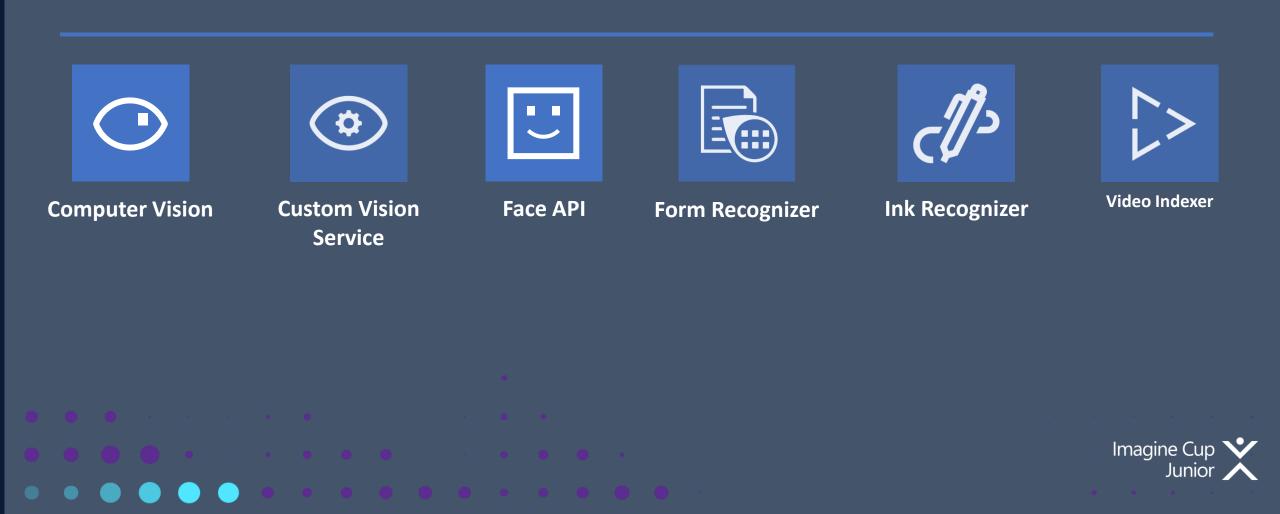
The API is the interface between the developer's code and the components of complex AI systems. For example, the goal of Azure Cognitive Services is to help developers create applications that can see, hear, speak, understand, and even begin to reason.

It enables developers to create innovative applications to transform business and society.





Vision APIs

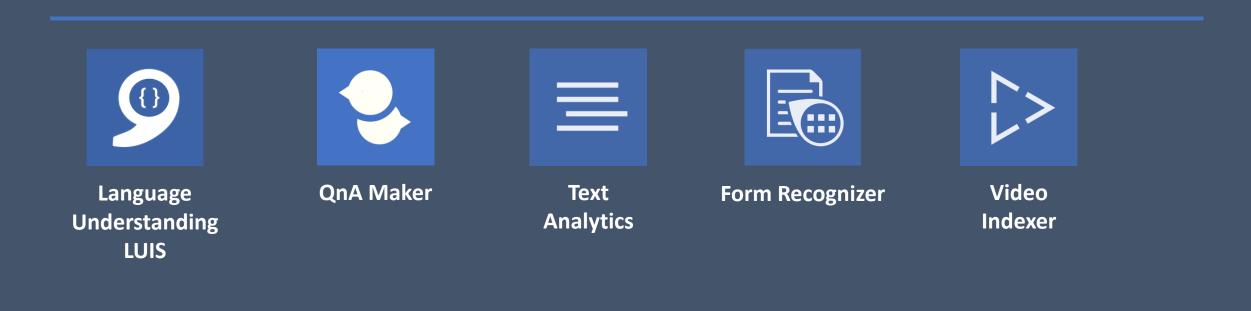


Speech APIs



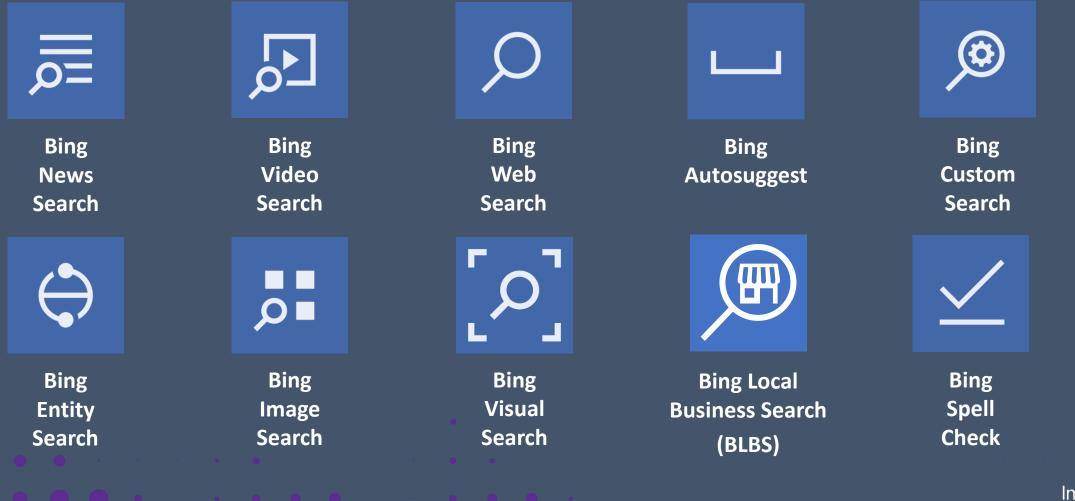
Imagine Cup

Language APIs





Search APIs



Imagine Cup Junior

Decision APIs







Content Moderator



Personalizer

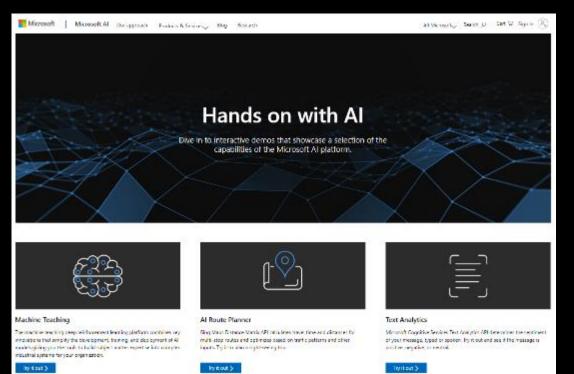


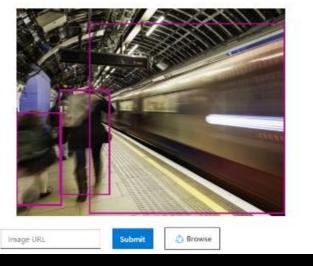


Preparing for Artificial Intelligence

AI EXPERIENCE

https://aidemos.microsoft.com/





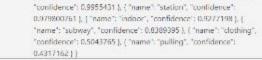
Hands on with M / Language Understanding

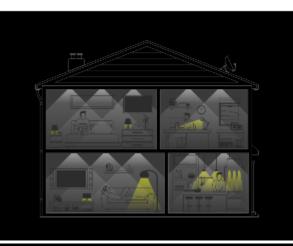
Make a statement about lighting and LUIS will interpret and adjust the house accordingly

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 Protection of the logic to skeep
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 Give memory lighting for cooking
 Ho logic target laws
 Inexel more light to read my book. If is logic target laws
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FEATURE VALUE NAME:

See it in action

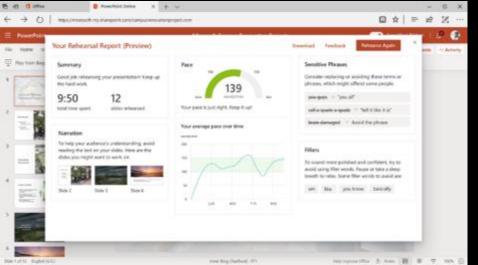


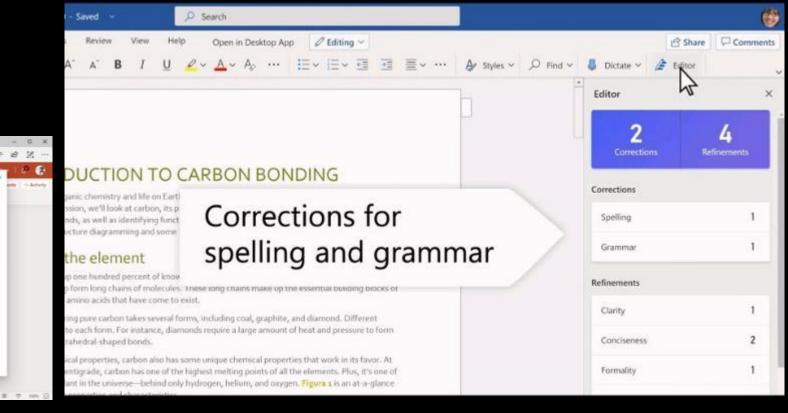


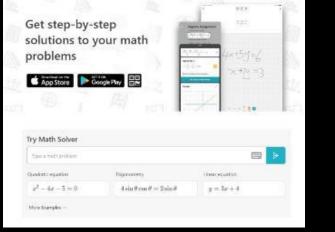


AI EXPERIENCE

Microsoft Office365 Application







M 록 □ Martin Luther King Jr. was a great civil rights leader. He was born in Georgia in 1929. Martin was an excellent speaker. He won a big ↓ ↓

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\leftarrow	Immersive Reader	∿ ₹	∎ ×
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Microsoft

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AI LEARNING

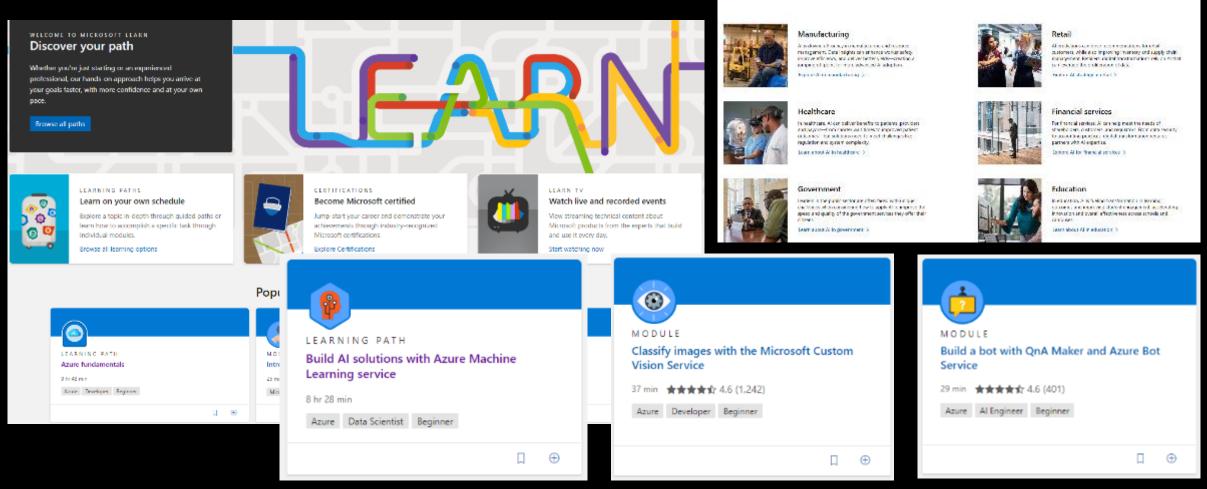
Microsoft Learn AI Business School

Microsoft

https://docs.microsoft.com/en-us/learn/

Industry learning paths

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AI APPLICATION

Azure Cognitive Service PowerApps

Pre-Built AI



Enhance your business with AI

Add intelligence to your business. Create tailored AI models to automate processes and find insights. Learn more

Form Processing (preview)

Read and save information from

standard documents.

Make your own AI model

^

Al Builder > Build

PowerApps

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Learn

Apps

III Data

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合 Home

+ Create

≪g Al Builder

Build

Models

Solutions

Business logic

Prediction ⊕ Predict whether something will happen.

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<u>6</u>

Object Detection (preview) Recognize and count things in images. @__

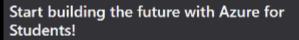
Text Classification (preview) Categorize text by its meaning so it's easier to analyze.





AI DEVELOPMENT

Azure for Student Azure Dev Tools for Teaching Azure Lab



Get a \$100 credit when you create your free Azure for Students account

+

Activate now >

Read the FAO for eligibility :

No credit card needed

Simply verify your student status through your school email address, and you're ready to go with \$100 in credit.

Free developer tools

access to professional developer tools.

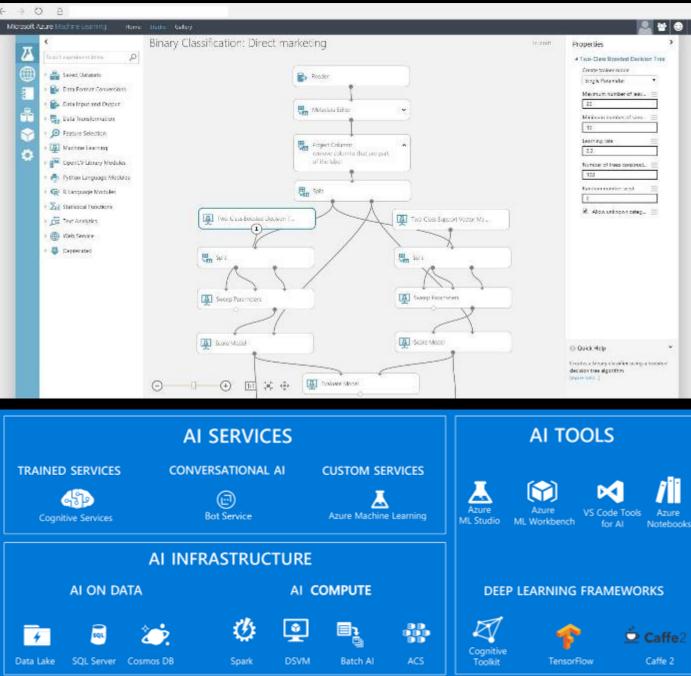
Learn more 3

Build your skills in trending tech including data science, artificial intelligence (Al), machine learning, and other areas with

+

Drive your career Access free learning paths and labs to take your skills to the next level.

7



AI CERTIFICATION

Azure Al Fundamental Azure AI Engineer Associate

Al Engineer

Al Engineers use Cognitive Services, Machine Learning, and Knowledge Mining Microsoft AI solutions.

AI Engineer certification path

The ai engineer certification path is organized into 3 levels: Fundamentals, Associate and Expert.

View by:

Azure Al Engineer 💙

An optional start for those new to Azure



FUNDAMENTALS CERTIFICATION Microsoft Certified: Azure Fundamentals



Microsoft Certified: Azure Al **Fundamentals**

In response to the coronavirus (COVID-19) situation, Microsoft is implement changes to our training and certification program. Learn more.

Candidates for the Azure AI Fundamentals certification should have foundation learning (ML) and artificial intelligence (AI) concepts and related Microsoft Azur LEUNG CHI WAN This certification is an opportunity to demonstrate knowledge of common ML

to implement them on Azure. This certification is intended for candidates with both technical and non-techn

science and software engineering experience are not required; however, some knowledge or experience would be beneficial.

Azure Al Fundamentals can be used to prepare for other Azure role-based or Scientist Associate or Azure Al Engineer Associate, but it's not a prerequisite

Job role: Al Engineer, Data Scientist, Developer, Solutions Architect Required exams: AI-900 Important: See details Go to Certification Dashboard 12

Certification details







CERTIFIED **AZURE AI** FUNDAMENTALS

Microsoft

Microsoft Certified

Azure Al Fundamentals

has successfully completed the requirements of Azure Al Fundamentals

Date Issued: September 24, 2020

- Microsoft

Complete an associate certification



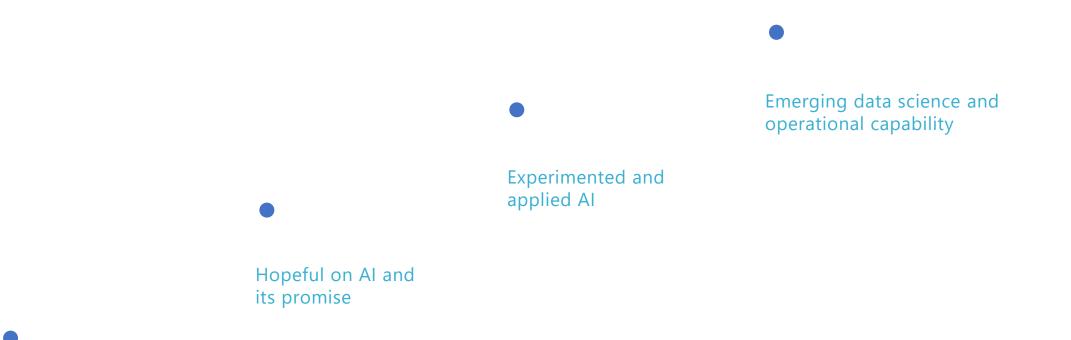
ASSOCIATE CERTIFICATION Microsoft Certified: Azure AI Engineer Associate



ertiport.com: JNhm-4wBr



Start your Al Journey NOW



Questioning what AI is and how to apply it





Thank You