

# How to win a hack with Azure ML/AI

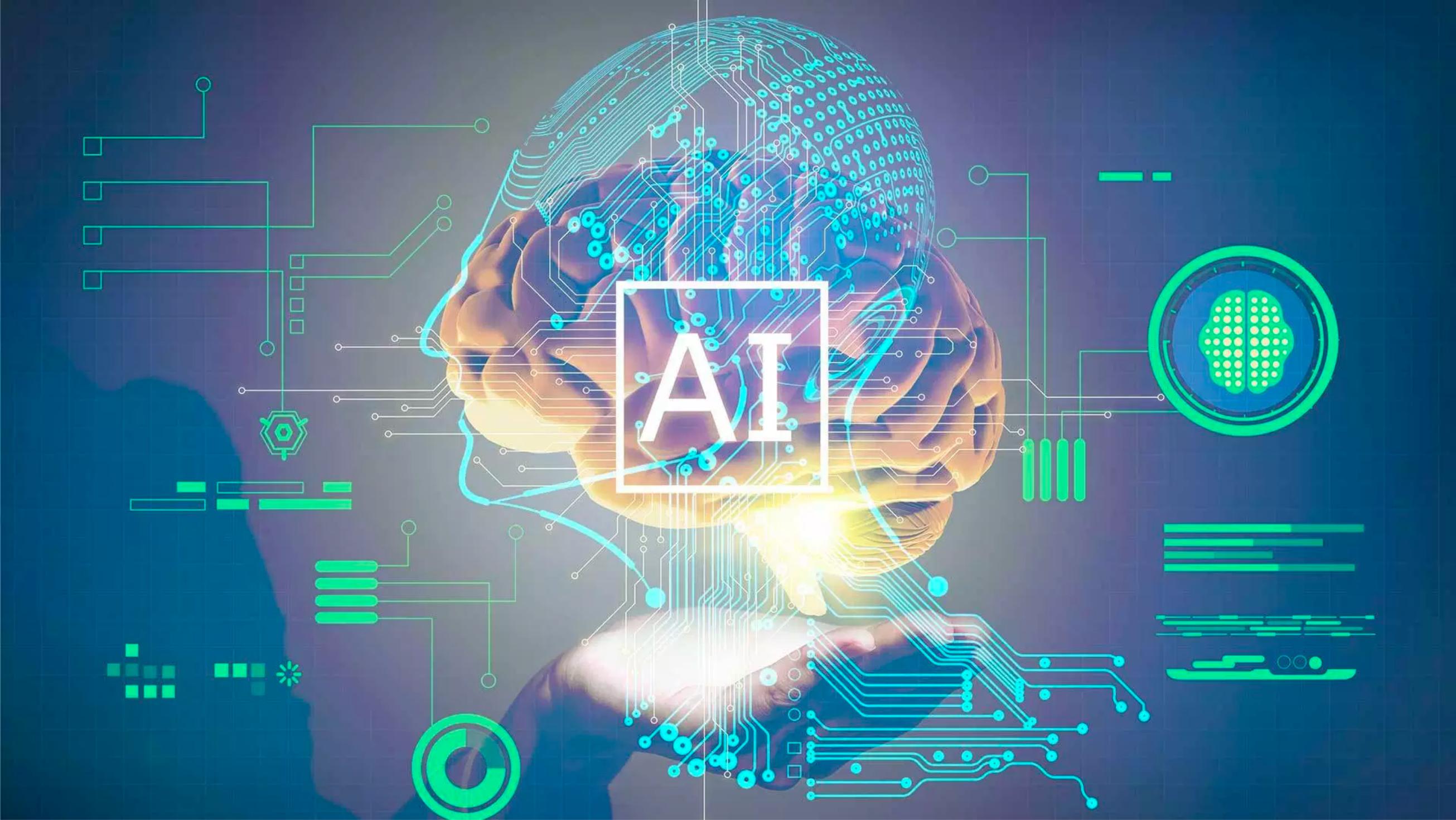


# Vadim Karpusenko, PhD

Sr. Cloud Developer Advocate, Azure ML/AI

@Vadi on Twitter





Microsoft's aim:

Making AI available to everyone



*We are pursuing AI to empower every person and every institution ... so that they can go on to solve the most pressing problems of our society and our economy.*

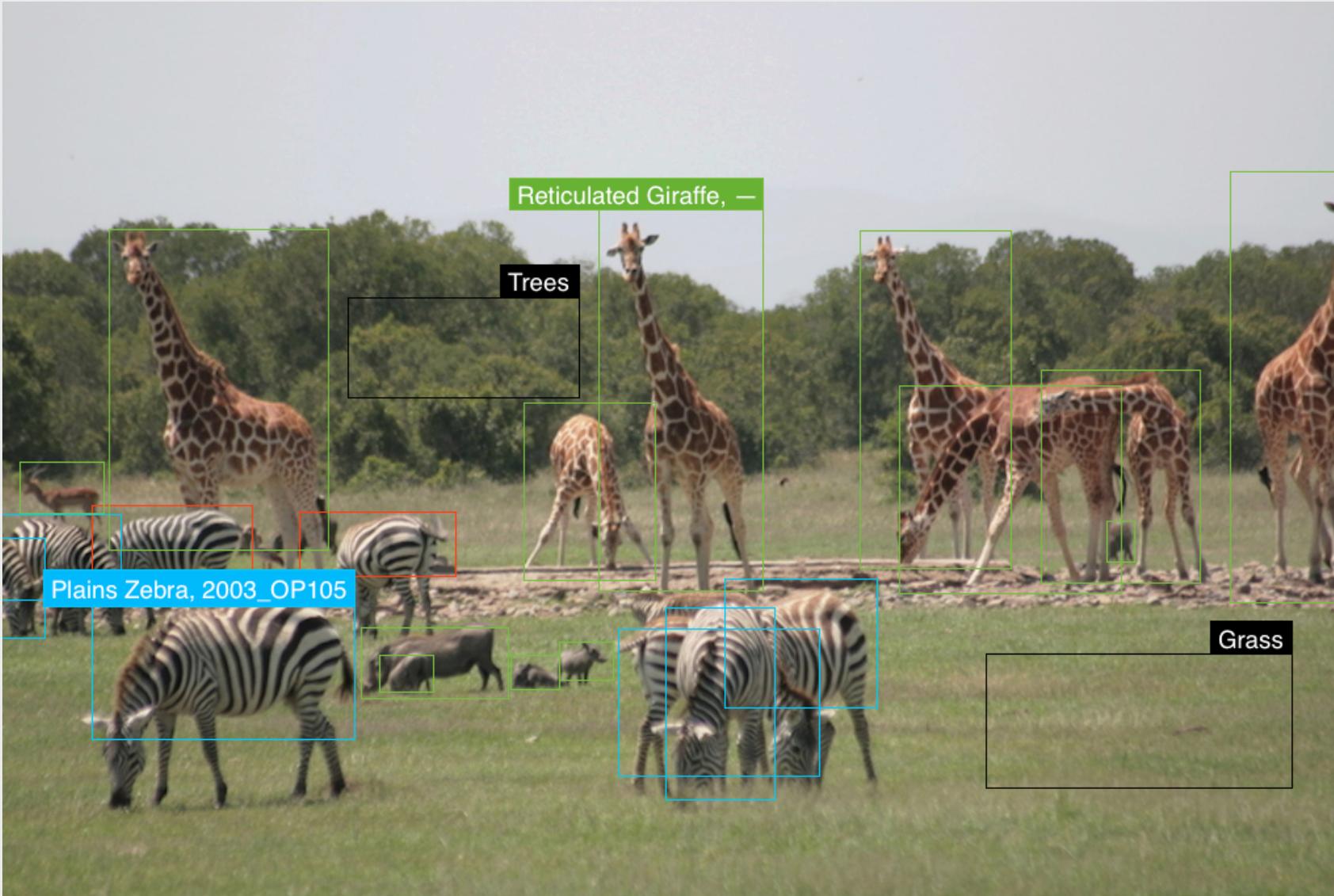
– Satya Nadella, CEO, Microsoft



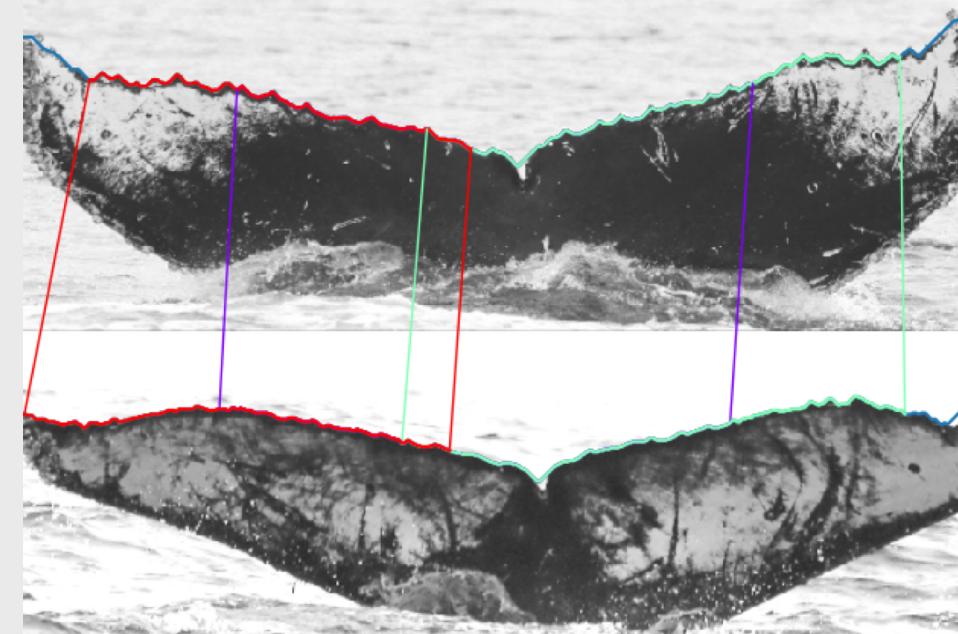
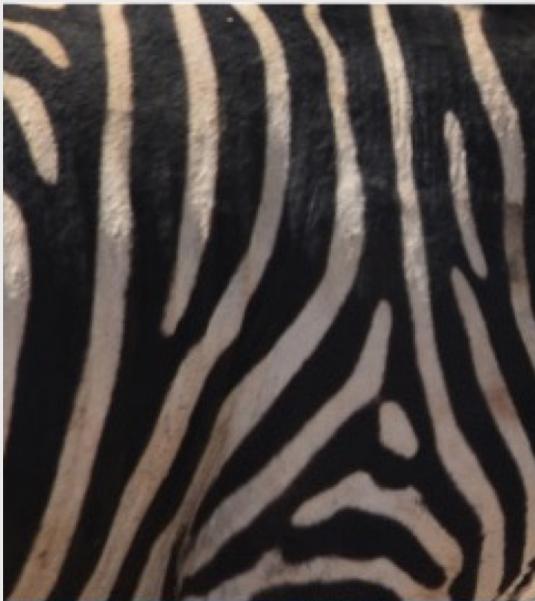
# Microsoft AI for Good



# Image Analysis: Detection

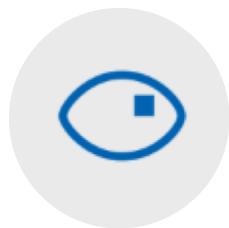


# Image Analysis: Identification





# Azure Cognitive Services are ready to go pre-trained AI models



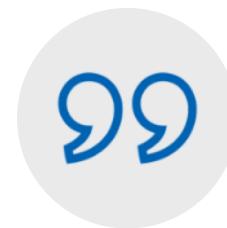
## Vision

From faces to feelings, allow your apps to understand images and videos



## Speech

Hear and speak to your users by filtering noise, identifying speakers, and understanding intent



## Language

Process text and learn how to recognize what users want



## Knowledge

Tap into rich knowledge amassed from the web, academia, or your own data



## Search

Access billions of webpages, images, videos, and news articles with the power of Bing APIs

# Azure for Students



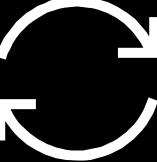
Verify as  
a student

No credit  
card required





\$100  
annual credit

+   
25+  
free products

for 12 months or until \$100 credit is used



Pay nothing

Ability to convert to  
pay-as-you-go

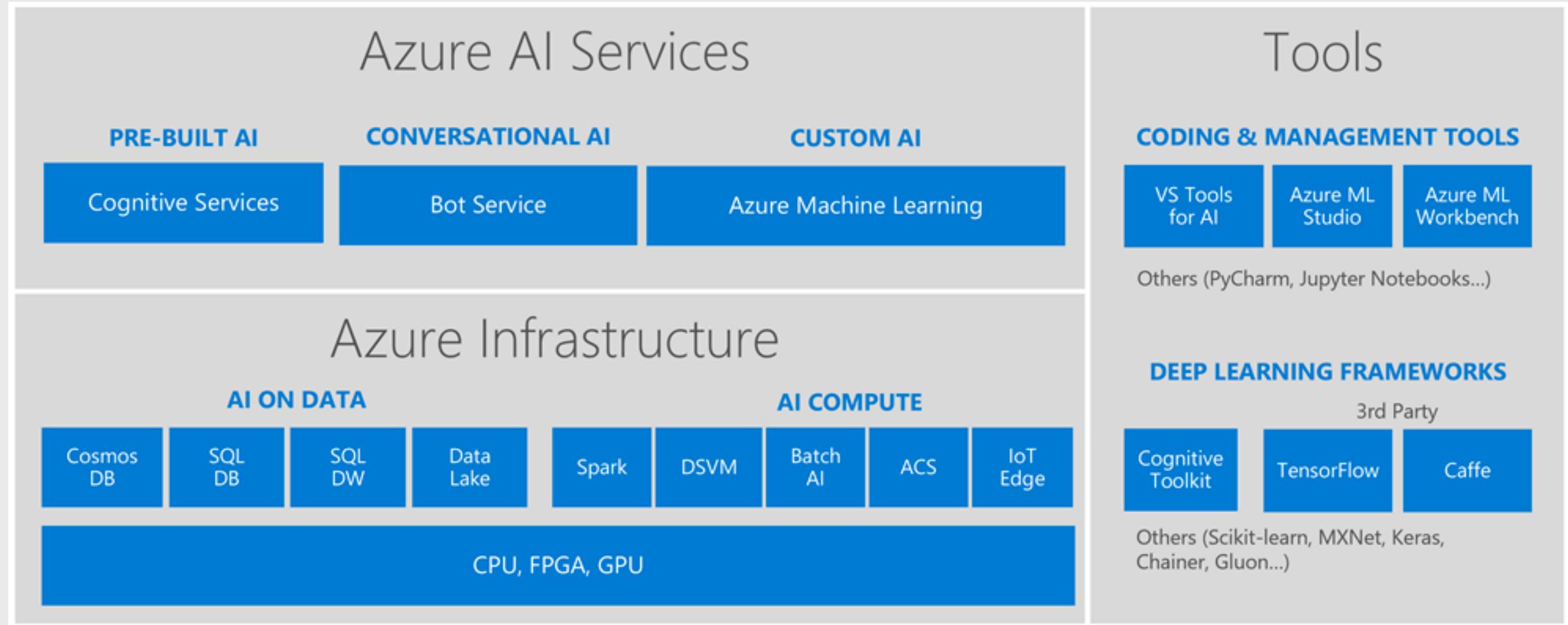
[aka.ms/azure4students](https://aka.ms/azure4students)



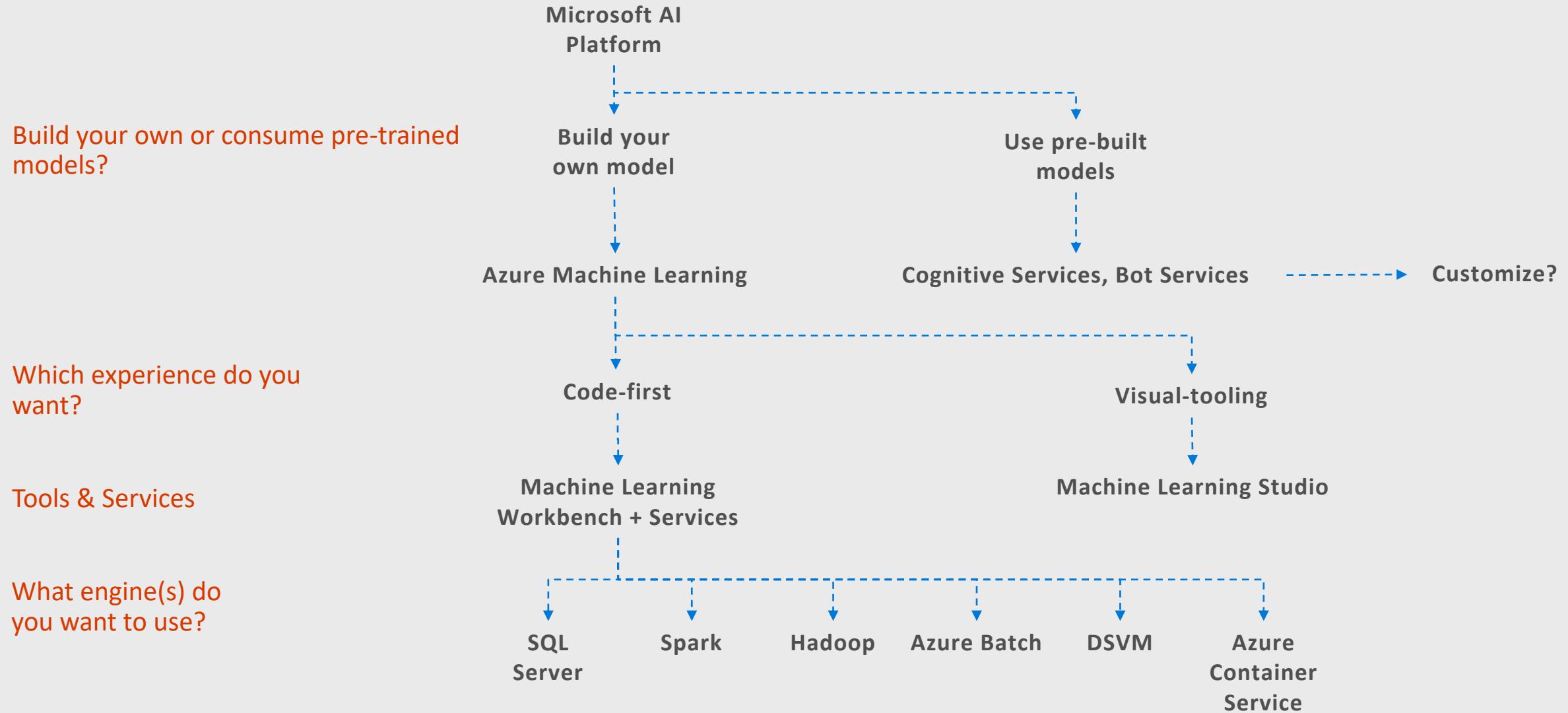
# Demos

## Azure Cognitive Services

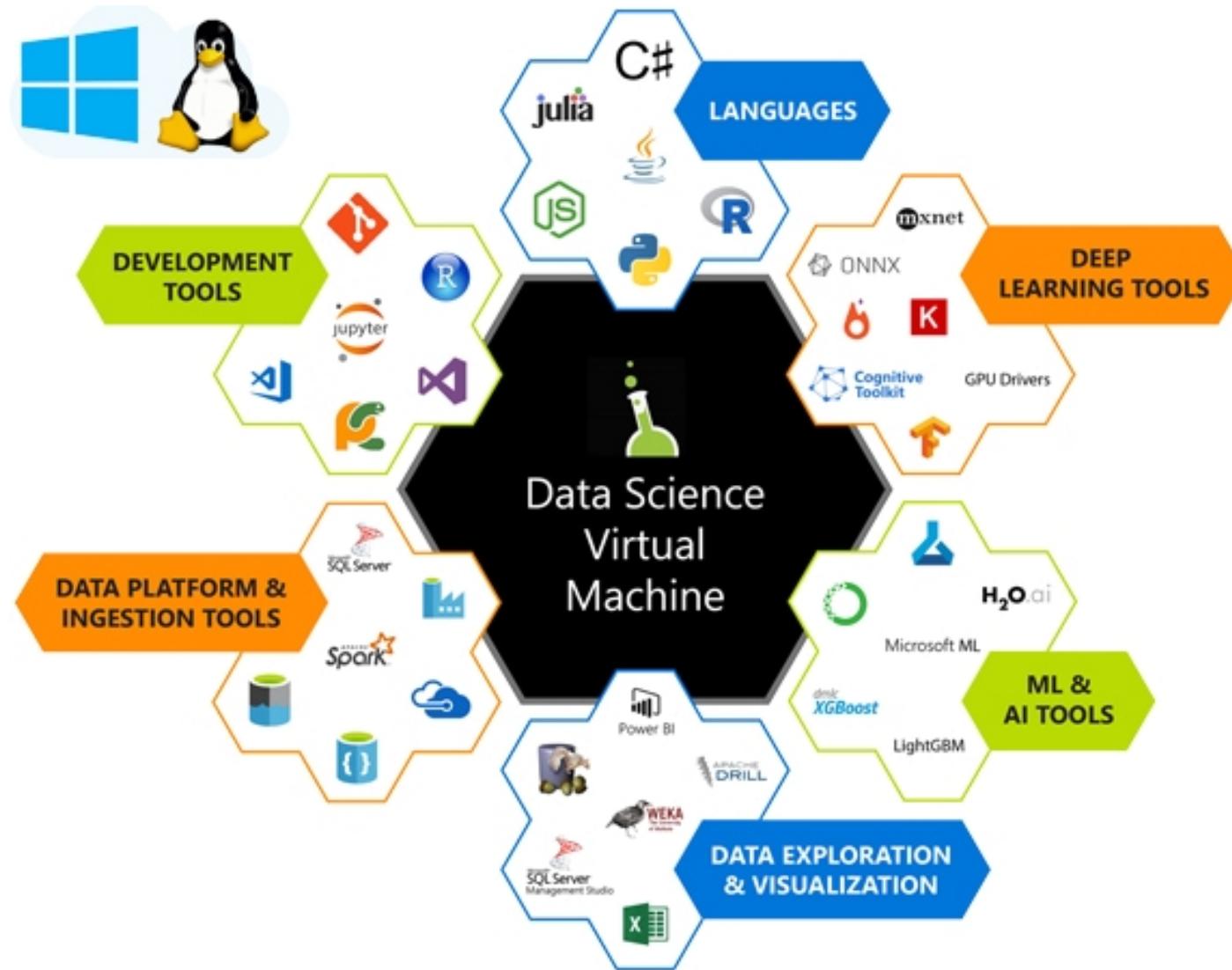
# Microsoft AI Platform

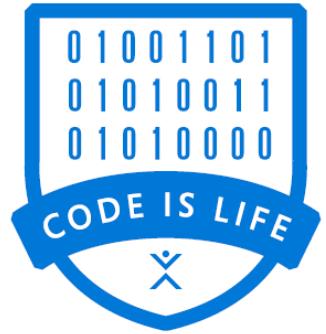


# I'm at a hack. What should I use?



# Data Science Virtual Machine. Ultimate choice.



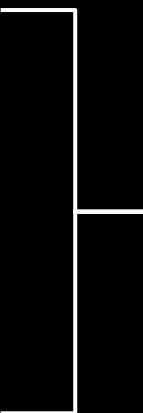


**Microsoft Student Partners** are on-campus student leaders with a passion for sharing technology with their classmates.

[studentpartners.microsoft.com](http://studentpartners.microsoft.com)



Team up. Use your creativity, your passion, and your knowledge of technology to create applications that shape how we live, work, and play.



Imagine Cup   
Microsoft's premier student technology competition

[imagine.microsoft.com/usa](http://imagine.microsoft.com/usa)





The image shows a large, illuminated sign for the Microsoft Imagine Cup competition. The sign features the word "Imagine Cup" in a bold, white, sans-serif font. A large, stylized white arrow points diagonally upwards from the end of the "e" in "Imagine" towards the end of the "p" in "Cup". Above the sign, there is a row of small, glowing orange star-shaped lights. The background is dark, suggesting an indoor event space with stage lighting.

Imagine Cup