

# Enhancing the Neural Network: Advances in AI Technology



## Microsoft AI

Microsoft's AI approach leverages intelligent technology to augment human capability — all while maintaining clear ethics and security. We focus on human-centered design to better our communities' lives and strive for the impossible.

## Microsoft Cognitive Services

### Put intelligence APIs to work

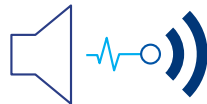
Microsoft Cognitive Services let you build apps with powerful algorithms using just a few lines of code. They work across devices and platforms such as iOS, Android, and Windows, keep improving, and are easy to set up.



### Vision

From faces to feelings, allow your apps to understand images and video.

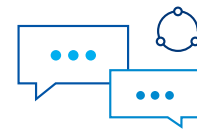
- Computer Vision API
- Emotion API
- Video Indexer
- Face API
- Video API
- Content Moderator
- Custom Vision Service



### Speech

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

- Custom Speech Service
- Bing Speech API
- Speaker Recognition API
- Translator Speech API



### Language

Process text and learn how to recognize what users want.

- Language Understanding Intelligent Service
- Bing Spell Check API
- Web Language Model
- Text Analytics API
- Translator Text API
- Linguistic Analysis API



### Knowledge

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

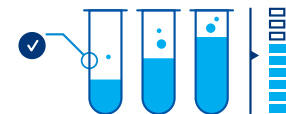
- Recommendations API
- Academic Knowledge API
- Knowledge Exploration Service
- QnA Maker API
- Entity Linking Intelligence Service API
- Custom Decision Service



### Search

Access billions of web pages, images, videos, and news with the power of Bing APIs.

- Bing Autosuggest API
- Bing Video Search API
- Bing Entity Search API
- Bing Image Search API
- Bing Web Search API
- Bing News Search API
- Bing Custom Search



### Labs

An early look at emerging Cognitive Services technologies: discover, try and give feedback on new technologies before they are general availability.

- Project Prague
- Project Nanjing
- Project Johannesburg
- Project Cuzco
- Project Abu Dhabi
- Project Wollongong

With our intelligent infrastructure and APIs, our networks and knowledge bases are constantly improving, giving your apps a human side.

Learn more at [Microsoft.com/ai](https://Microsoft.com/ai)