

# Introduction

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## Applications of Intelligent Systems

# Introduction

- Intelligent Assistants
- Healthcare
- Smart Cars and Drones
- Robotics
- Social Media Feeds
- Music and Media Streaming Services
- Online Ads Network
- Security and Surveillance

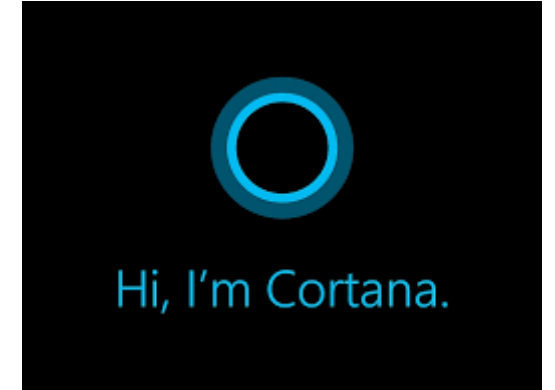
# Intelligent Assistants



Google Assistant



Siri



Cortana



Google Home

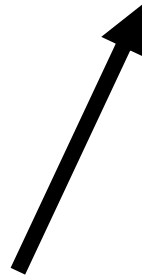
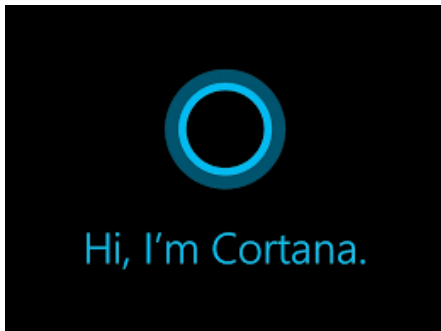
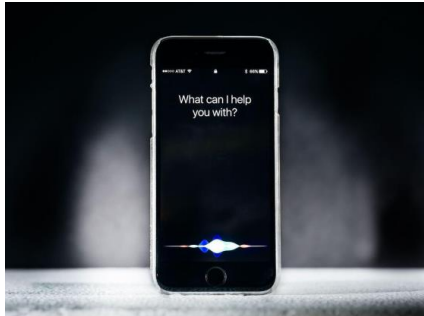
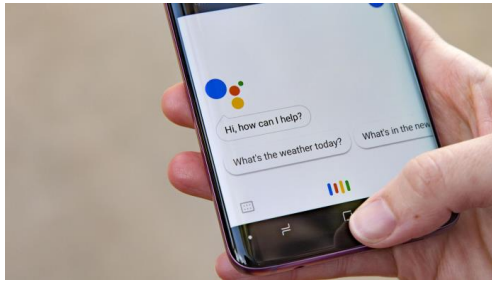


Amazon Alexa

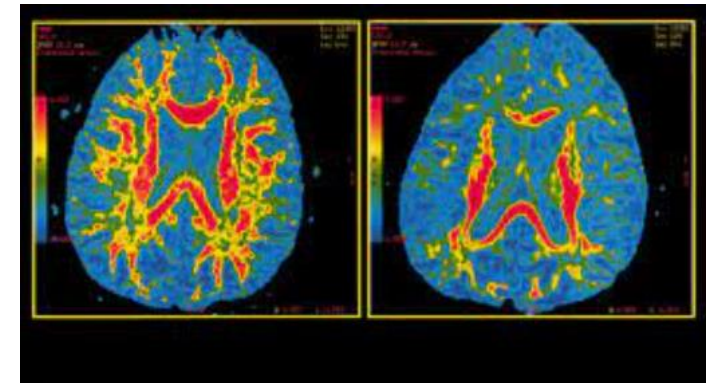


Olly

# Healthcare

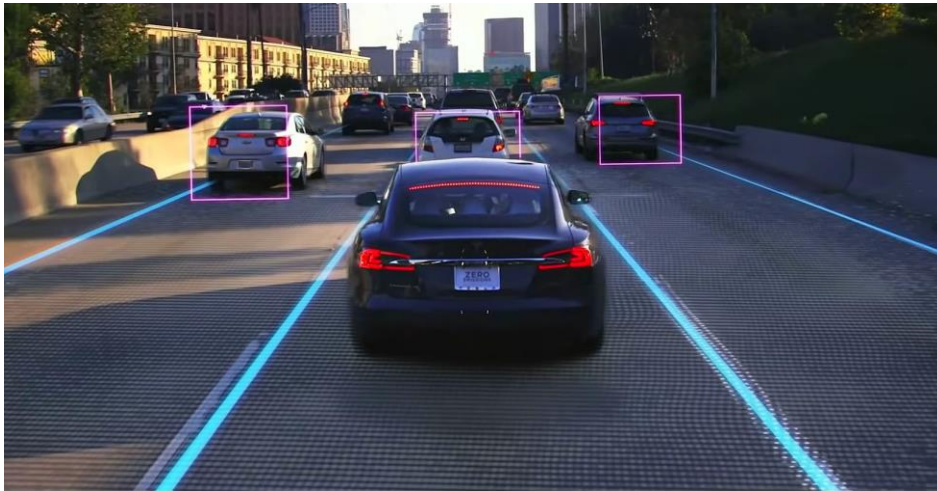


COVID-19 Diagnosis using Chest X-ray



Alzheimer's Disease Detection

# Smart Cars and Drones



Tesla's Autopilot

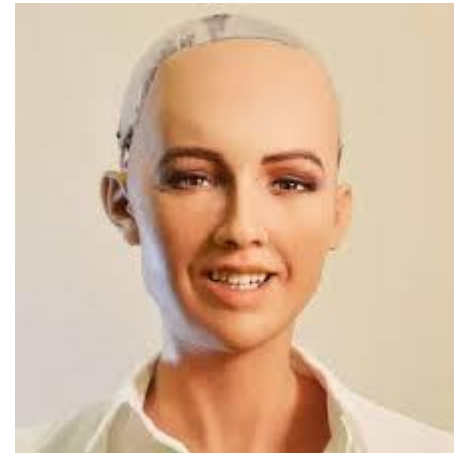


AI-Powered Drones

# Robotics



Agile Robots (Boston Dynamics)



Sophia (Humanoid Robot)



# Social Media Feeds



Top 12 Most Popular Social Media Sites In 2022

# Music and Media Streaming Services



10 Best Music Streaming Services Sites 2022



# Online Ads Network



# Security and Surveillance



License Plate Recognition



Wearing of Face Mask Detection



Social Distancing Detector

# Intelligent Assistants

*“Hi assistant, open calculator”*

Steps to process the command:

- |                       |                             |  |
|-----------------------|-----------------------------|--|
| 1. Wakeword detection | Audio                       | “Hi assistant”?                                |
| 2. Speech recognition | Audio                       | “open calculator”                              |
| 3. Intent recognition | “open calculator”           | open?<br>music?<br>time?<br>alarm?<br>weather? |
| 4. Execute intent     | Open calculator<br>software |  |

Questions?