Computer Vision

ANUSTUP MUKHERJEE







I am Computer Vision Engineer DarkHorse INC USA,
Former Lead Al Engineer at Omdena, worked with 5
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Medical Entrepreneur aiming to create a Better
world by my Al Pocket Doctor MBK Health Tech

ANUSTUP MUKHERJEE

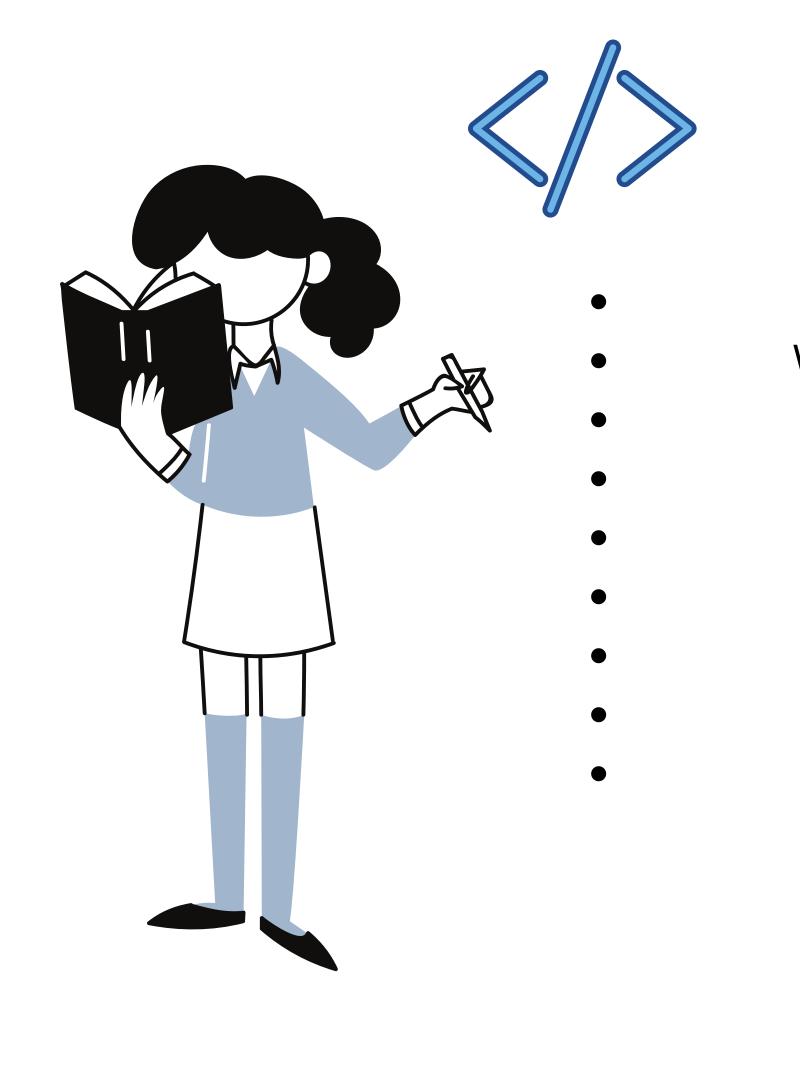




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AnustupMukherj8



What is Computer Vision?
What are the types in Computer Vision?
Computer Vision in Practical eyes
Brain Mapping to make your own CV
How to use Computer Vision
Project Ideas in CV
Examples of Computer Vision
Career Map
Ending Note

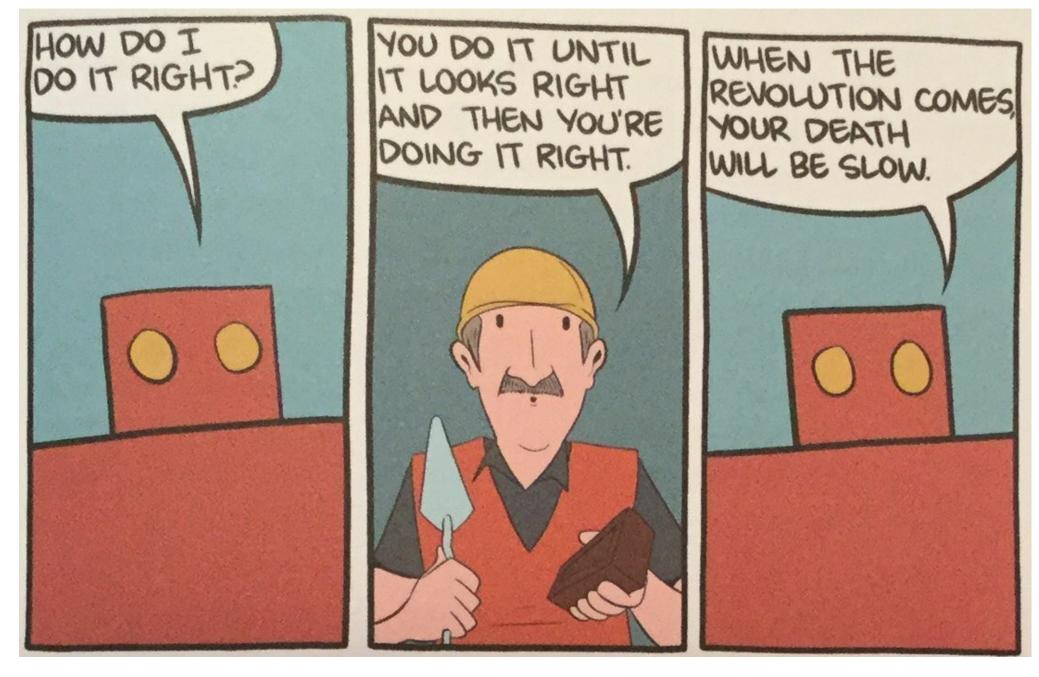
A Power where a machine can judge, analyse, detect and recognize by visualsadding life to abstracts mimicing human brain and eyes!

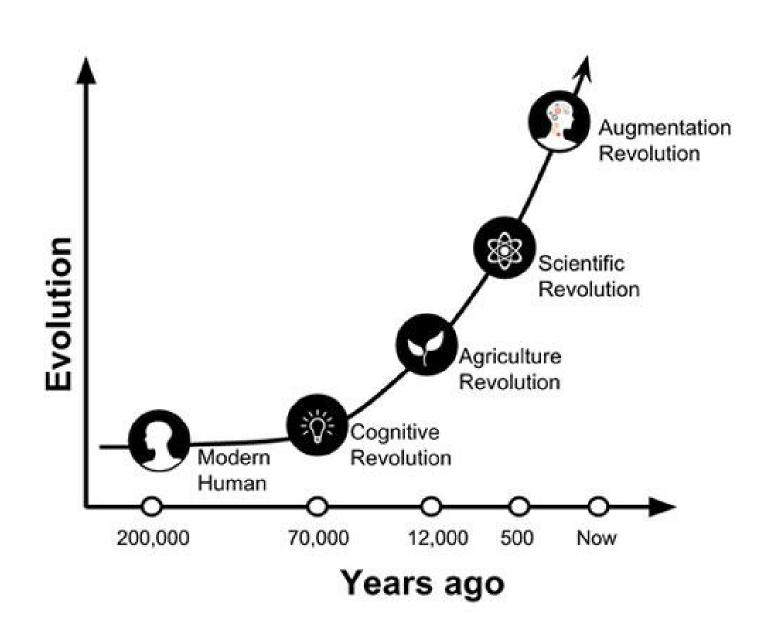




Understanding New Generation Computer Vision from- Movarec's Paradox-

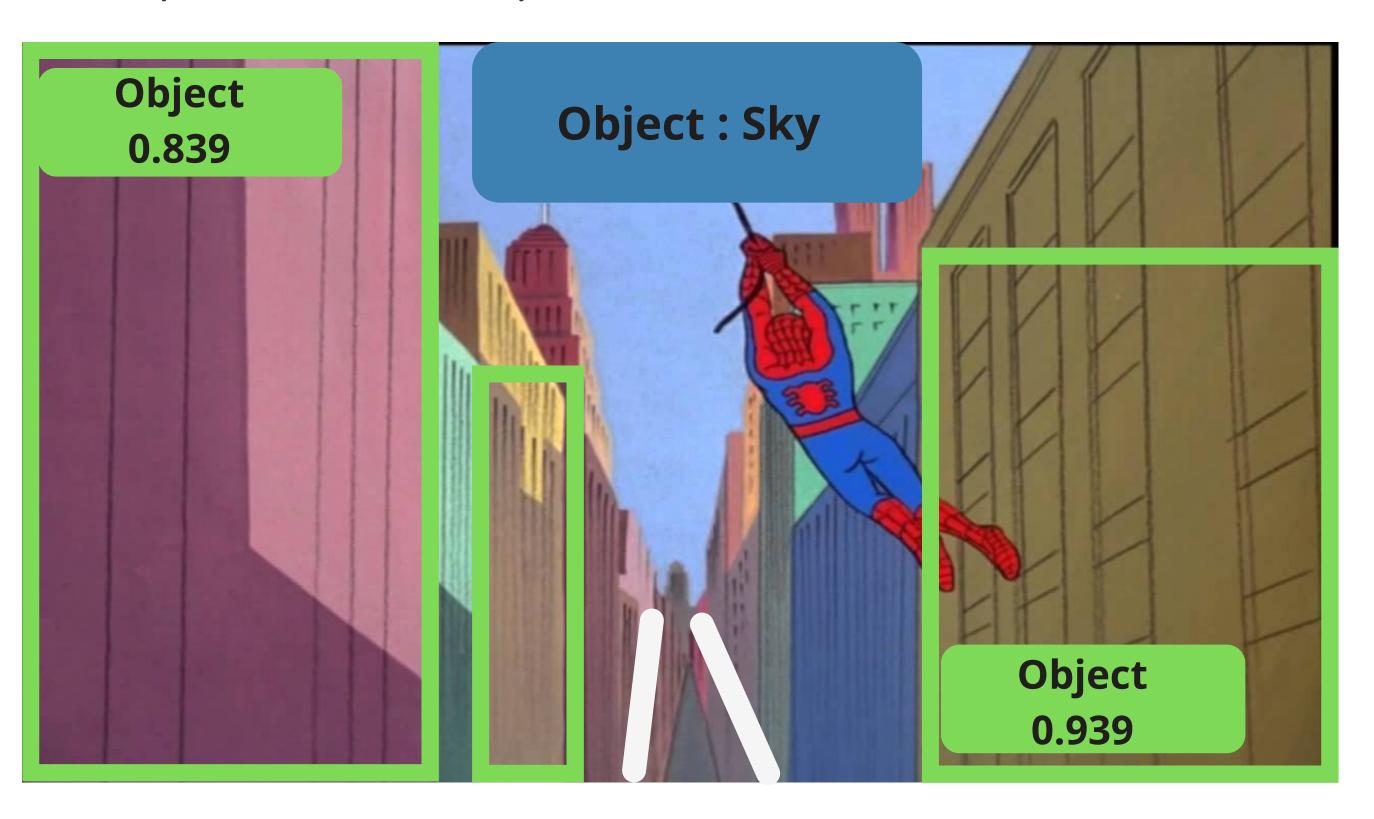
"it is comparatively easy to make computers exhibit adult level performance on intelligence tests or playing checkers, and difficult or impossible to give them the skills of a one-year-old when it comes to perception and mobility"

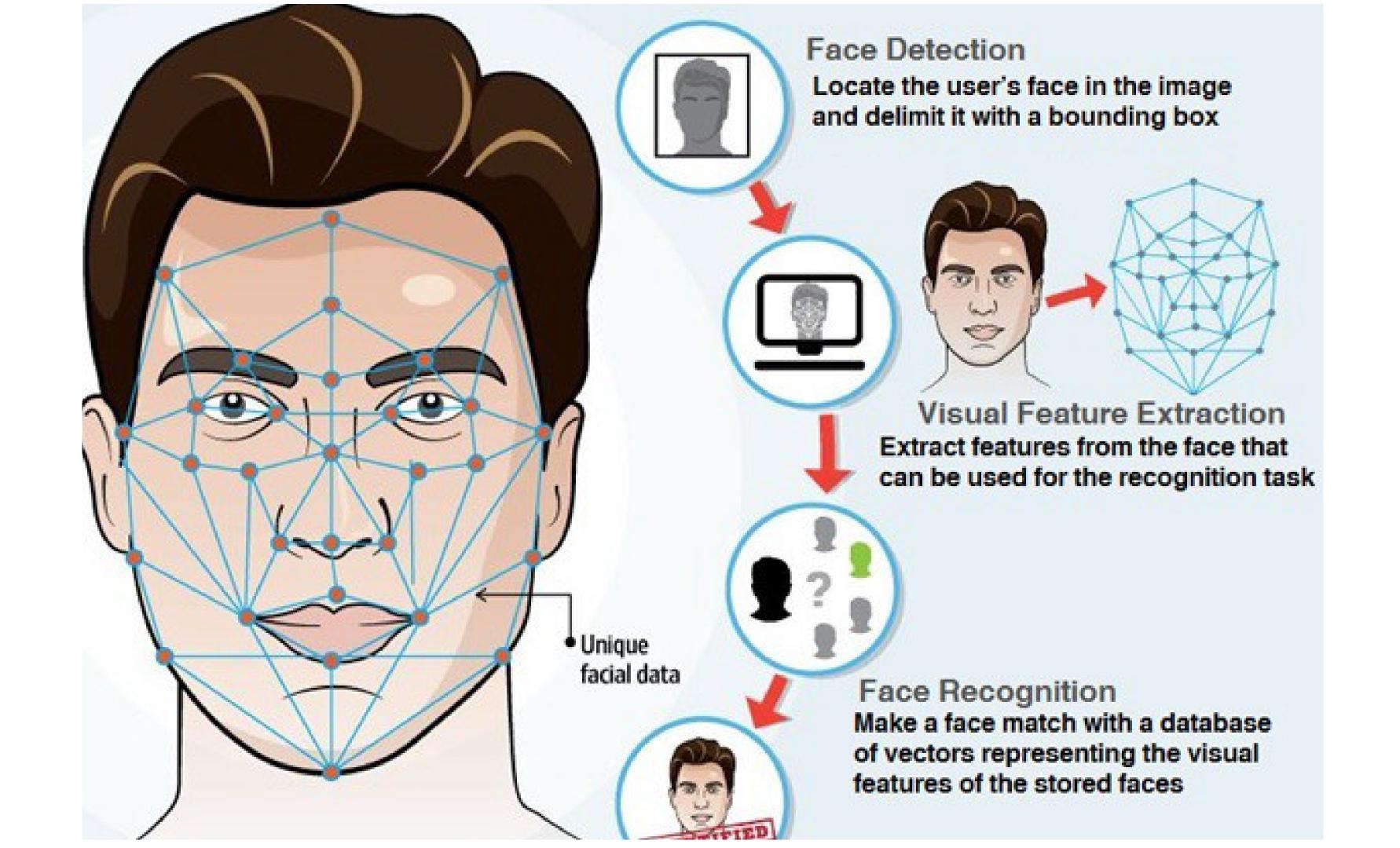




An example of how Computer Vision is growing !!! Spider Man -----Spider Man

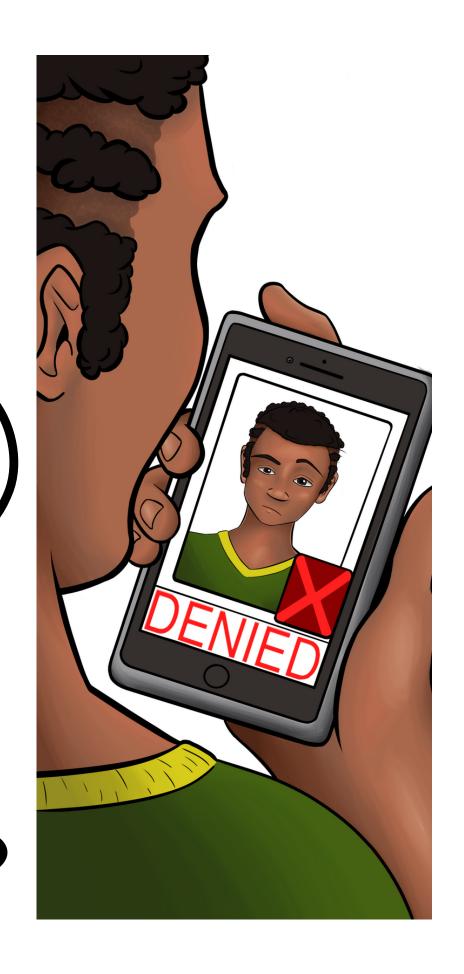
- Object Detection
- RecognitionSegmentation
- Tracking
- Selection



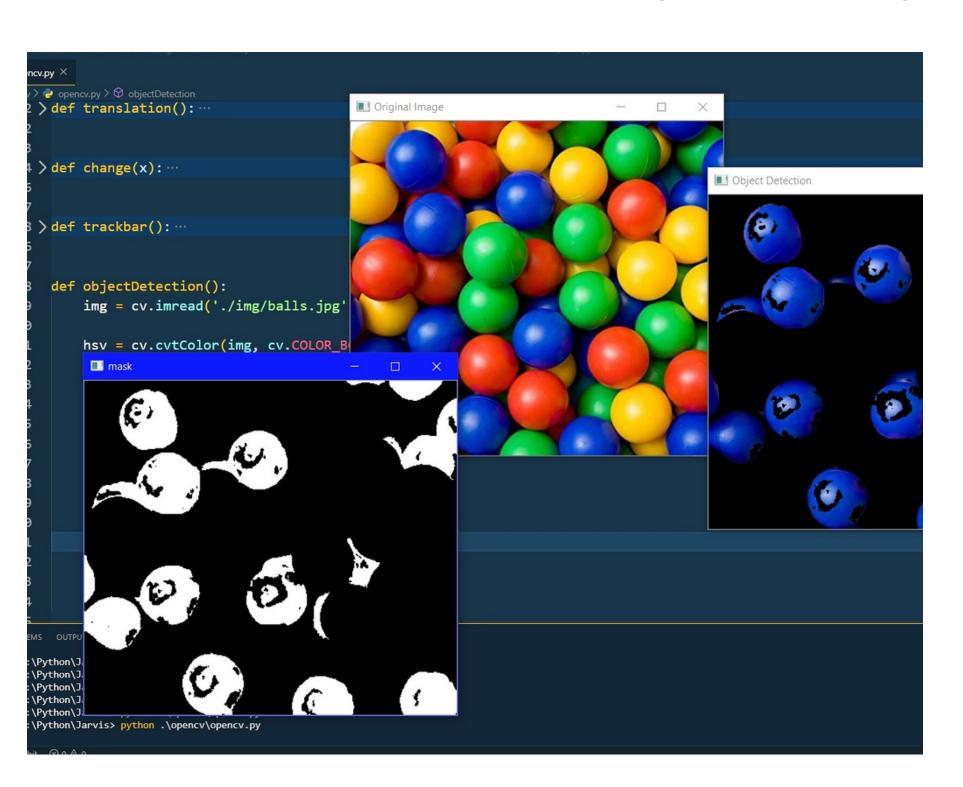




- Hey what will happen if this person moves at a great speed?
- What will happen if the person is far enough? ohh small image!
- What if Facial patterns get changed?
- What if quality of the input is too poor!

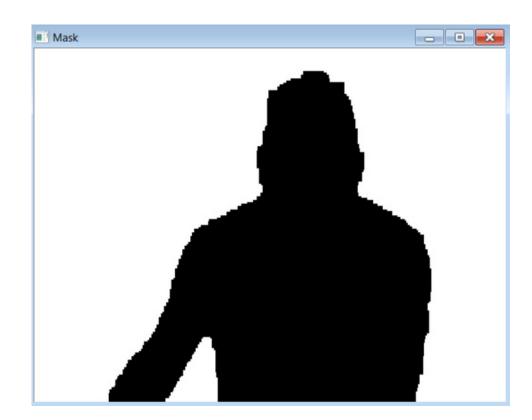


Lets Have a Look on One problem with Traditional Computer Vision! OPEN CV -- OPEN CV -- OPEN CV



So How does Open CV is Detecting?

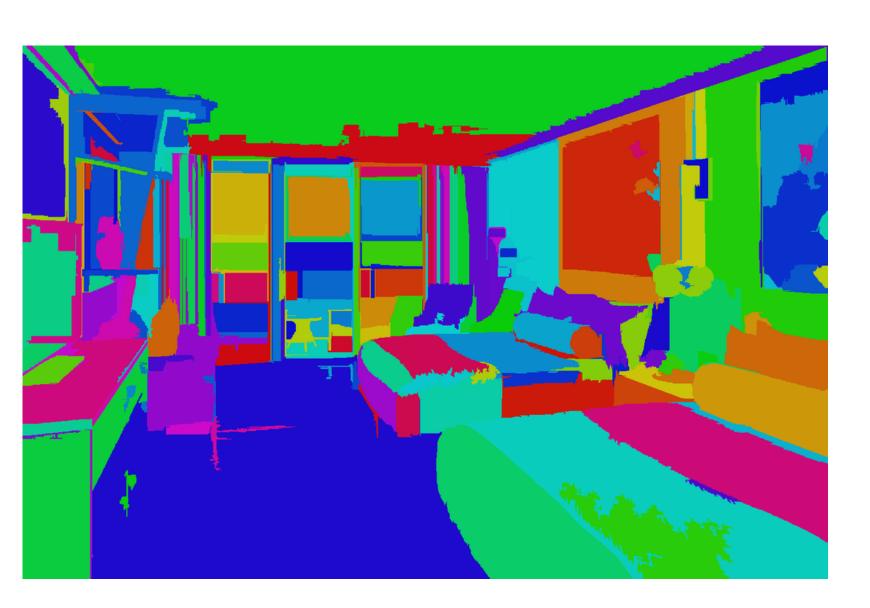
- Power of Corner, color detection and distribution
- Power of Color, shape, size analysis empowers
- Working with pretrained models, deep algorithms and much more in Open CV
- Detect the edges to the flow from Masking to the glow is all the Computer Vision



But how to involve more fine tuning with Speed, time & size?
Relativity? Relatively yes



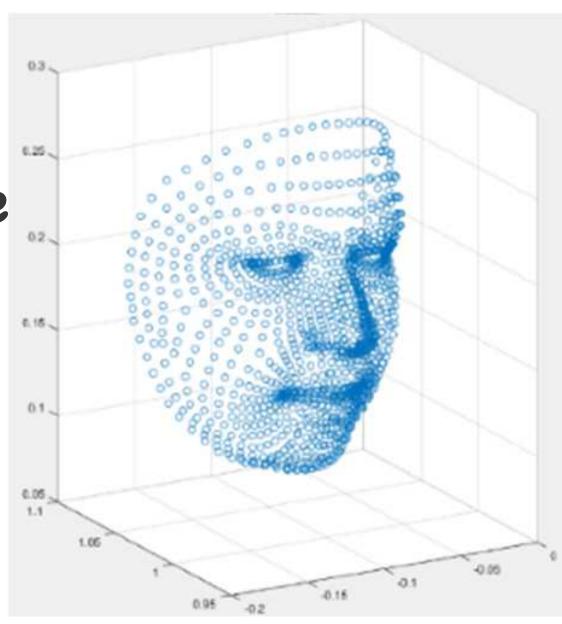
So Lets Use Open CV in advanced Computer Vision: Segmentation, Optical Flow, Masking



How to Mobilize your Face Recognition by Computer Vision



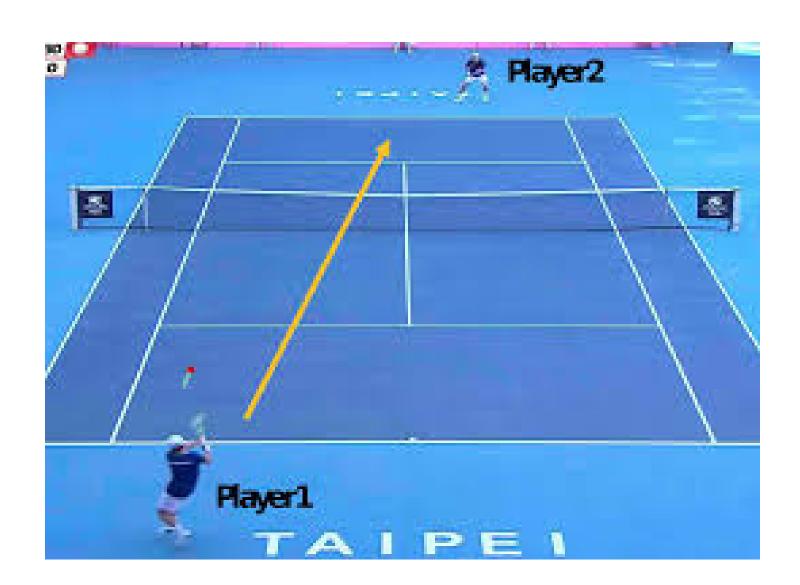
From Open CV to Face
Mesh
Tensors play to
give the accuracy



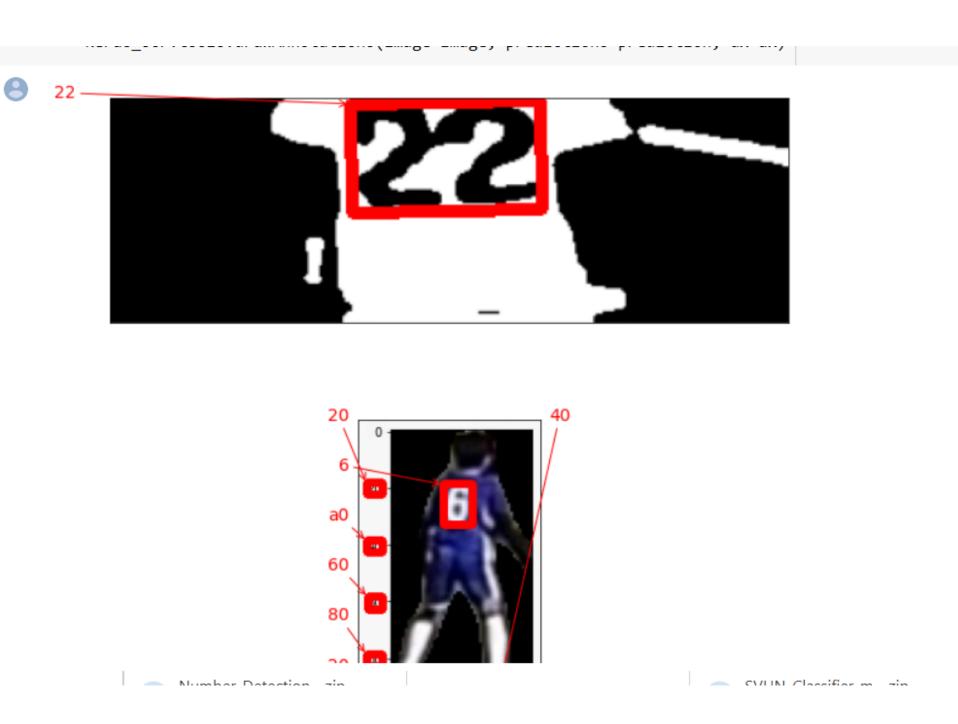


Here
to give us a best
Segmentation:
Deep Learning

More Examples:



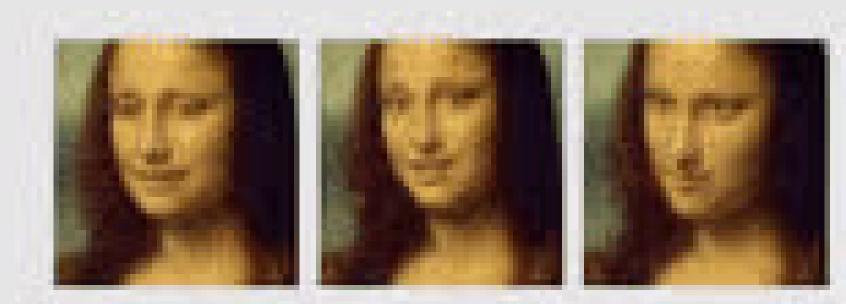
Example of Tracking



Example of Number Detection

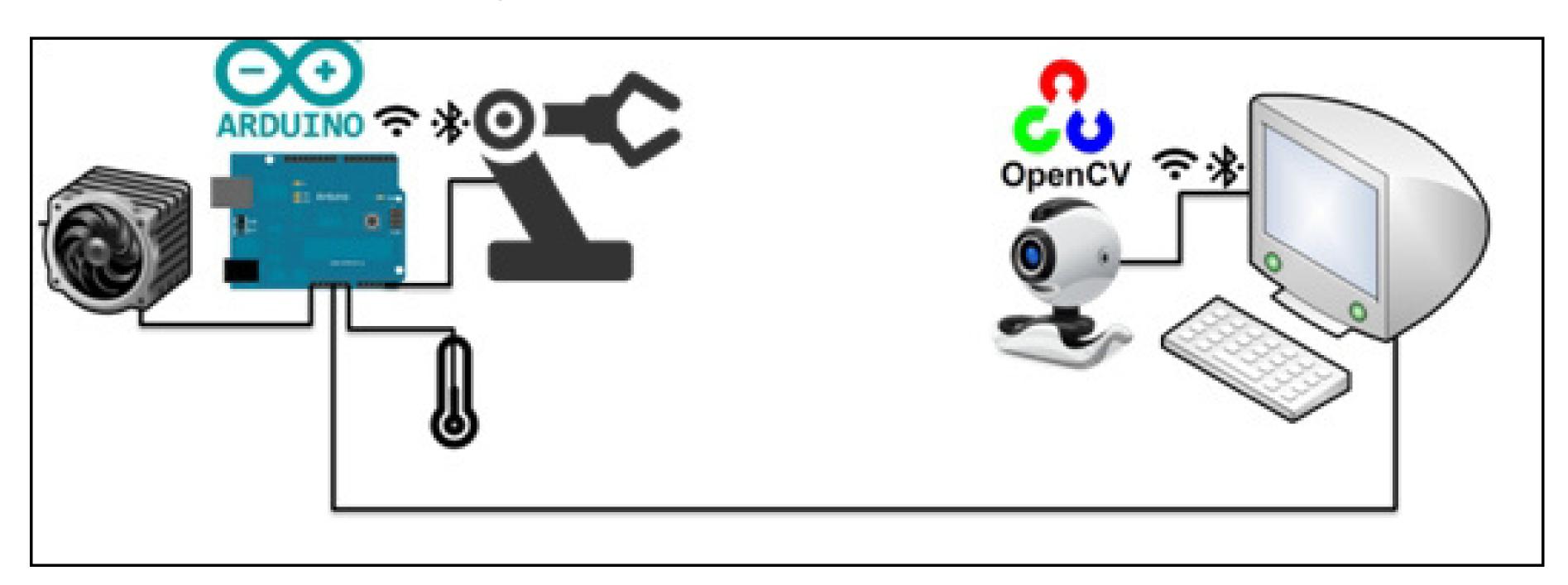
Example of GAN: Generative Learning

Living portraits





From Software Level to Hardware: Computer Vision travelling from YOLO, API's to Tensorflowand now hardware



Most Active Corporate Investors

Company

Embedded Vision/Computer Vision Private Placements





SENSORS | ANALYTICS

March – 2018 \$17.8M



March – 2018 \$15.0M



February – 2018 \$11.0M





LABORATORIES

March – 2018 \$14.5M



March – 2018 \$963.0M



January – 2018 \$25.0M

\$10.0M





February – 2018 \$19.0M



February – 2018 \$75.1M





February – 2018 \$42.0M



景 | ៕ | 科 | 技 September – 2017 \$542.0M







VENTURE INVESTMENT





December – 2017

September – 2017



And the Future is Here from Virtual Agents to AI Bots From Generation to Detection Computer Vision is gonna rule!

Thank you