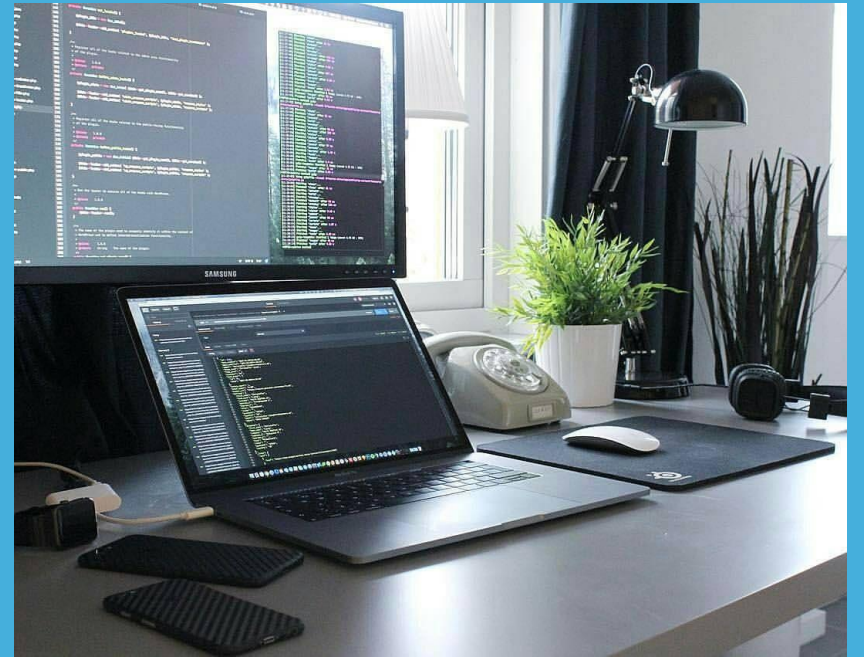# Hands-on Demo and
Case Studies

Signboard Recognition

- **Feature Extraction**
  - Haralick texture
  - Color Channel Statistics
- **Algorithms**
  - Decision Tree
  - Random Forest
  - Linear SVC

Hands-on CV

- Loading a image
- Loading image using cmd line arguments
- Drawing over images
- Image translation
- Image rotation
- Resizing
- Flipping
- Bitwise operations
- Masking
- Smoothing and blurring

Car Logo **Recognition**

- **Feature Extraction**
  - ○HoG (Histogram of Gradients)
- **Algorithms**
  - ○KNeighborsClassifier

Face Recognition

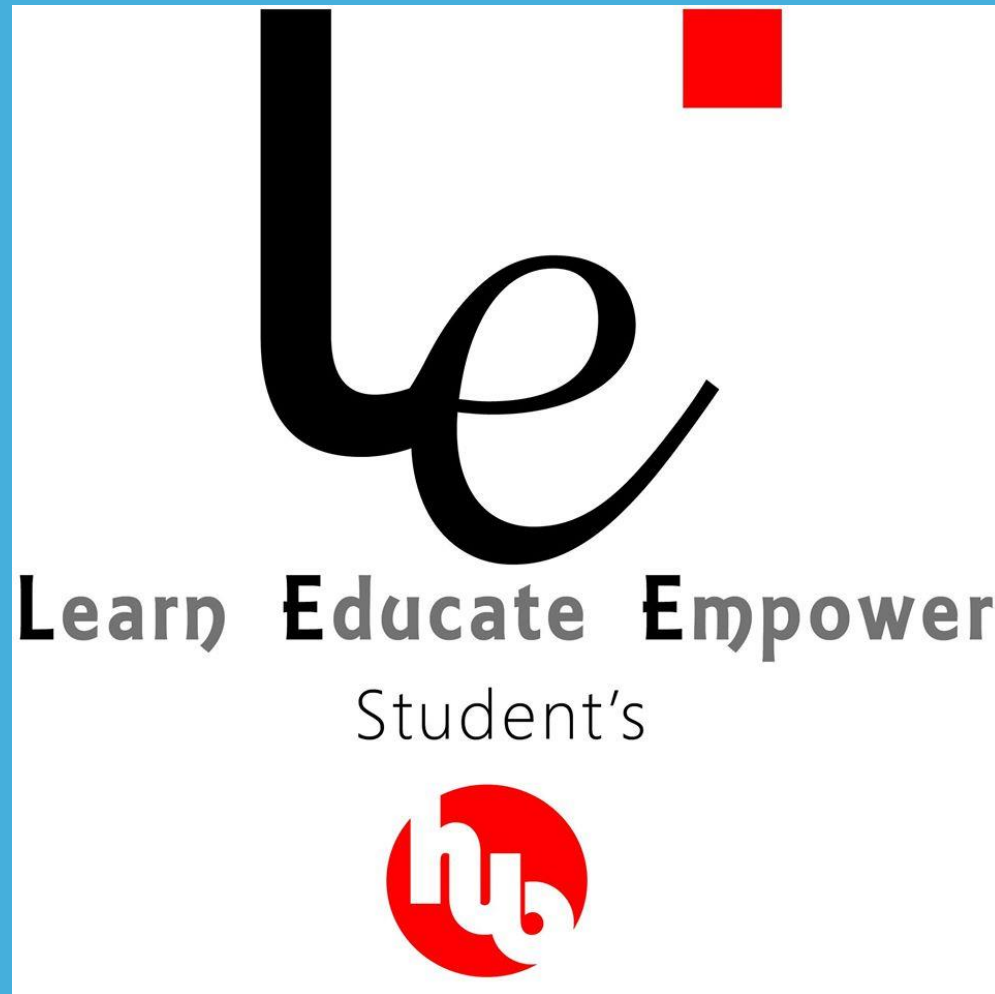- In package tool.face_recognition we have Facerecognizer module and also we use LBPH

Face Mask Detector

- Deep Learning model
- Here we have used mobilenet v2 architecture

LE2 Community (Learn Educate Empower)

AIthon **2020**

A mission to train more than 1 Lakh student on AI

Contact

Mail : sabarishkumaranks@gmail.com

Whatsapp : 8643 8888 25

Its time !

Any questions?