Hand Gesture Magic

Our Objective:

We focus on delivering a portal developed on gesture based recognition which will make communication easy for differently abled.

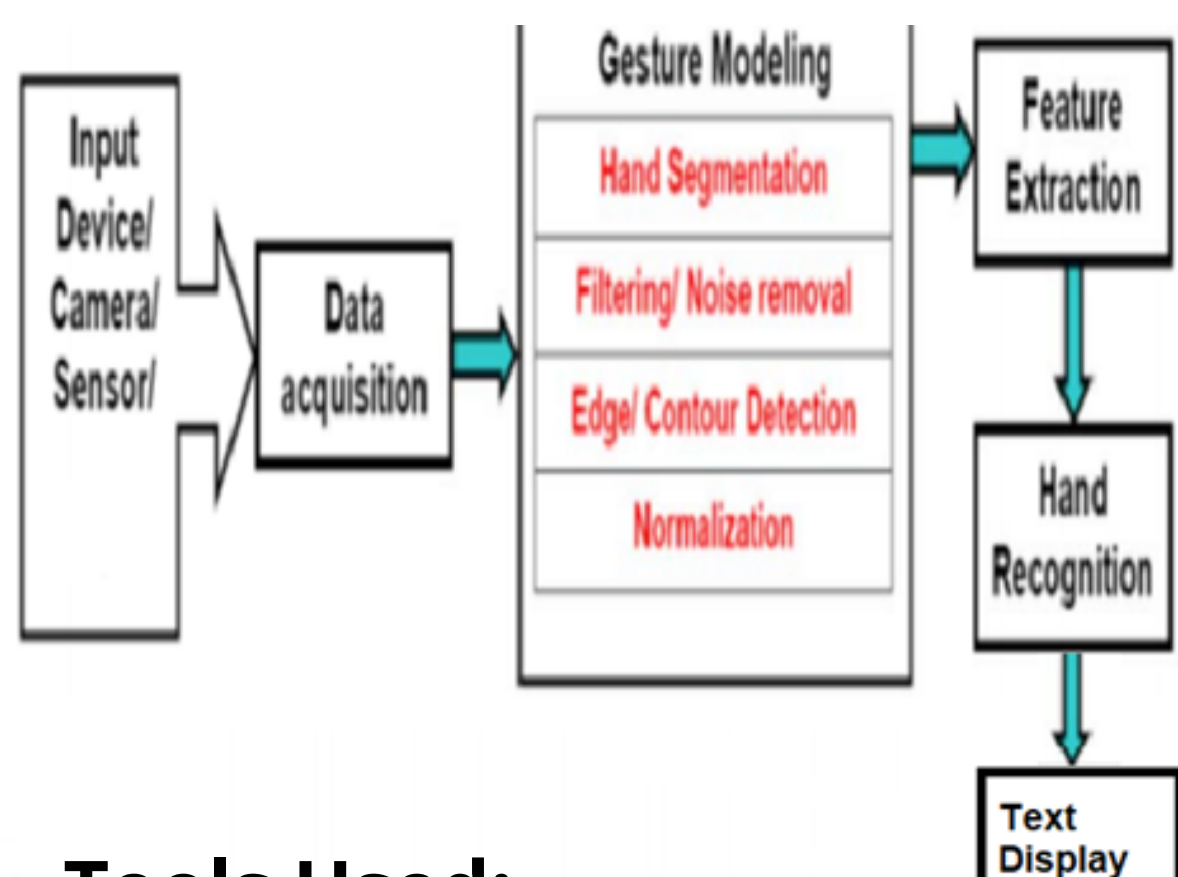*"My eye is my ear"*
And
"My Hand Is My Mouth"

Gesture detected using camera
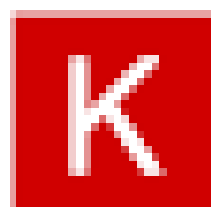
Gesture made by the user

Text predicted

HELLO

Architecture

Input Device/ Camera/ Sensor/	Data acquisition	Gesture Modeling	Feature Extraction
Hand Segmentation	Filtering/ Noise removal	Edge/ Contour Detection	Normalization
		Hand Recognition	
		Text Display	

Results

- Database has gestures inspired by ASL.
- Gestures made are detected using the camera.
- Text corresponding to the gesture is then displayed.
- Our objective is hence served.

Tools Used:

NumPy

OpenCV

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