**Language Used:**

* **Python**

**Tools/Libraries Used:**

* **OpenCV (cv2) for camera.**
* **mediapipe for human body recognition and landmarks.**
* **numpy for arrays of points of vertices of the human body box.**
* **math for maths functions to calculate angles.**
* **speech\_recognition for speech recognition.**
* **pyttsx3 for microphone driver access.**
* **telegram import Bot for telegram bot.**
* **subprocess to run other program or command.**
* **tracemalloc for memory block access by python.**
* **requests for generating api requests for telegram messages.**
* **threading for multithreading to run multiple processes together.**
* **os for system access to save and remove files.**
* **moviepy.editor for extracting audio from an video file.**

**Models Used:**

* **CNN based Caffe Model for human detection to draw the box around human detected and also for fall detection based on the length and breadth of the human body.**