1.Buliding a speech recognition.speech to text transcription system with noise Robustness:

Program:

import speech\_recognition as sr

# Create a Recognizer instance

recognizer = sr.Recognizer()

# Capture audio input from the microphone

with sr.Microphone() as source:

print("Speak something...")

audio\_data = recognizer.listen(source)

Try:

text = recognizer.recognize\_google(audio\_data)

print("You said:", text)

except sr.UnknownValueError:

print("Sorry, could not understand audio.")

except sr.RequestError as e:

print("Error: Could not request results from Google Speech Recognition service;"

