

# Computer Vision Solution for Hearing-Impaired

## Wireframe Documents

# Table of Content

- 1.Home Page
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## 1. Home Page

Home page consists of single page, which displays the overlay of the project. Homepage also consists variety of inaccessible pages such as Camera and Speech to text links. So for that the user must sign up and then sign in for full access.

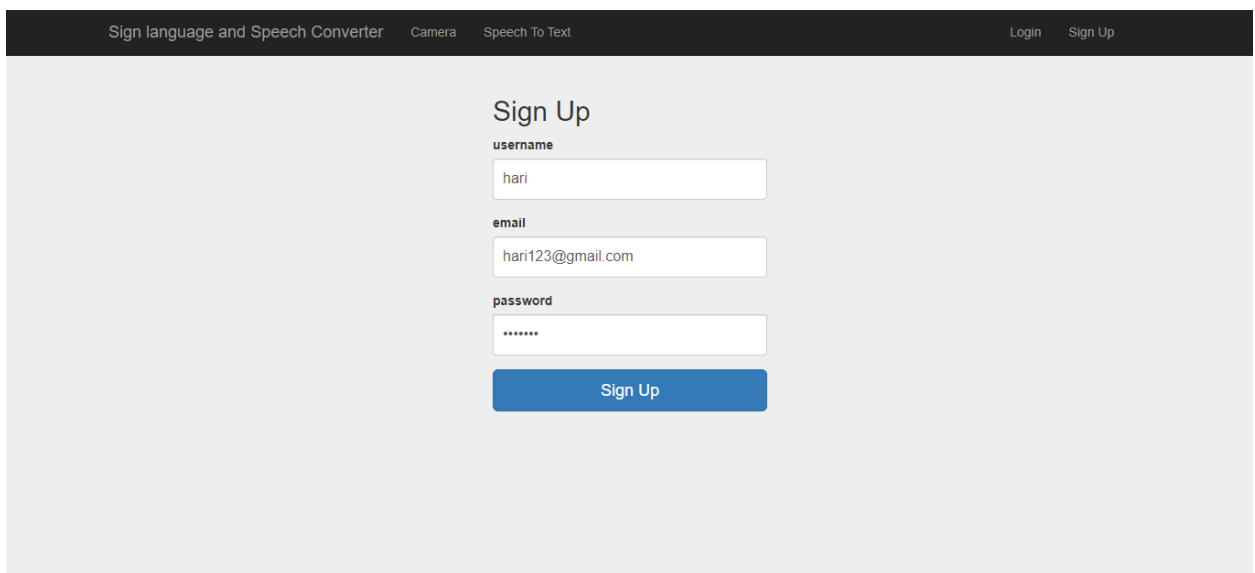


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## 2. Signup Page

Signup Page helps user to sign up or register with their username, email address and password. If the user registers with already registered email or username then it will show error else it will show successful registered info.

A screenshot of the Signup page. It features a dark grey navigation bar at the top with the same links as the Home page. Below the bar, the page has a light grey background. The title "Sign Up" is centered. Below the title are three input fields: "username" with the value "hari", "email" with the value "hari123@gmail.com", and "password" with masked characters "\*\*\*\*\*". A blue "Sign Up" button is positioned below the password field.

Sign language and Speech Converter

Camera

Speech To Text

Login

Sign Up

Success!!! Account has been successfully created!!! You can now login!!!

Please sign in

username

password

☐ remember me

Sign in

Sign language and Speech Converter

Camera

Speech To Text

Login

Sign Up

Failed!!! User name or Email address already exists. Please Login !!!

Please sign in

username

password

☐ remember me

Sign in

### 3. Login Page

Login Page helps user to login with their username and password which they have used for register. If the user logs in with error username or password then it will show error else it will lead to home page so that user can access other pages.

[Sign language and Speech Converter](#) [Camera](#) [Speech To Text](#) [Login](#) [Sign Up](#)

### Please sign in

username

password

☐ remember me

[Sign in](#)

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Sign language and Speech ConverterCameraSpeech To TextLoginSign Up

Failed!!! Invalid Username or password!!!

Please sign in

username

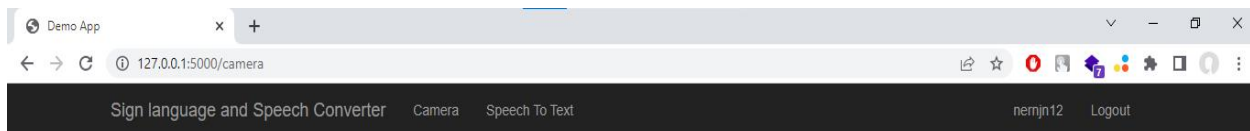
password

☐ remember me

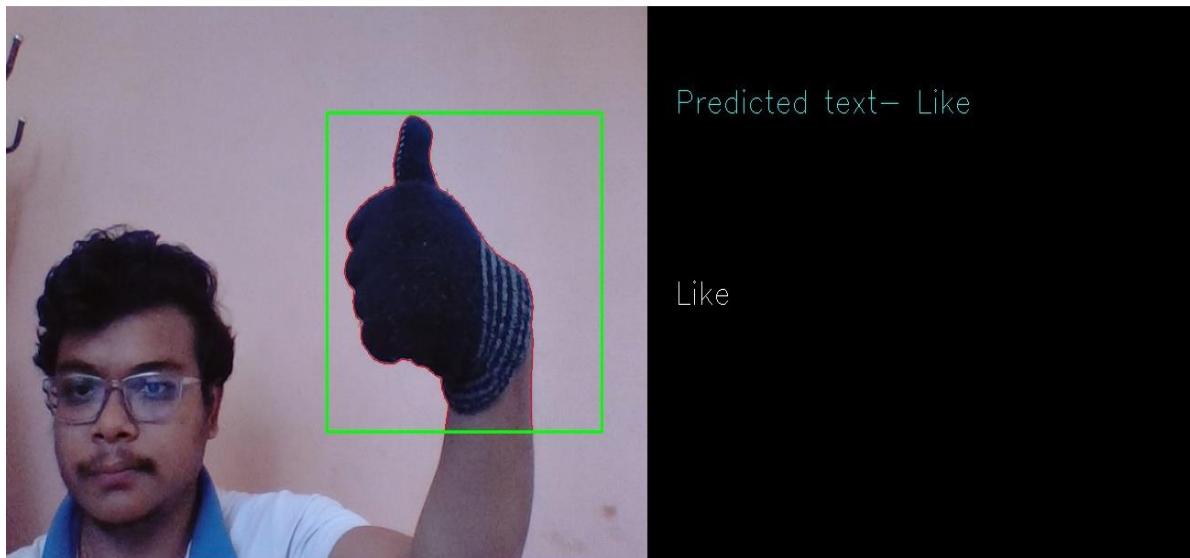
Sign in

#### 4. Sign Language Prediction Page

Sign Language Prediction Page is a single page where we can predict different hand signs and thus get the predicted text on the right side of the screen. Similarly after all the texts the output will result in a speech.



Streaming



## 5. Speech To Text Converter Page

Speech to Text Converter Page is a single page which consists of variety of options and information needed to convert the desired speech to text in following steps:

1. Recording the speech
2. Downloading the recorded file
3. Uploading the recorded file
4. Converting the audio recorded file to text

Sign language and Speech Converter

Camera

Speech To Text

hari

Logout

### Convert speech to text

Step 1 - Record your speech

Convert recorded audio to wav:

Waveform Audio (.wav) ▾

Record

Stop

Log

Step 2 - Download your record

Step 3 - Upload your .wav file

Choose File | No file chosen

Step 4 - Convert audio to text

Convert