



# SIGNGENIE

UNIVERSAL INCLUSIVITY AND ACCESSIBILITY

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<https://github.com/AathiraTD/SignGenie>

## Our Aim

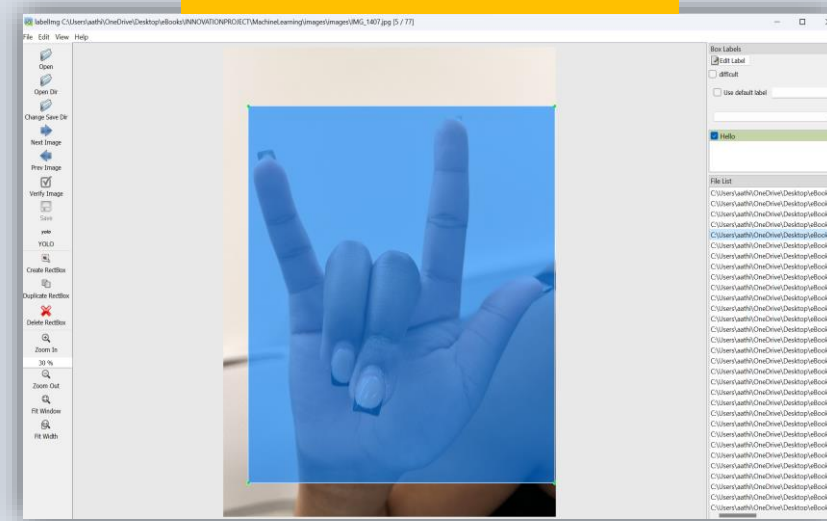


### SignGenie: Breaking Down Barriers Through Technology

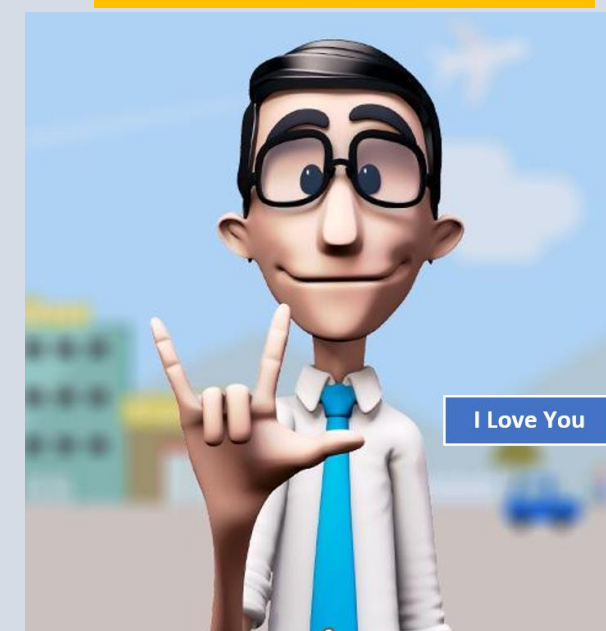
User-friendly and reliable software that provides real-time and accurate translations of Sign Language into speech and text.

## Design

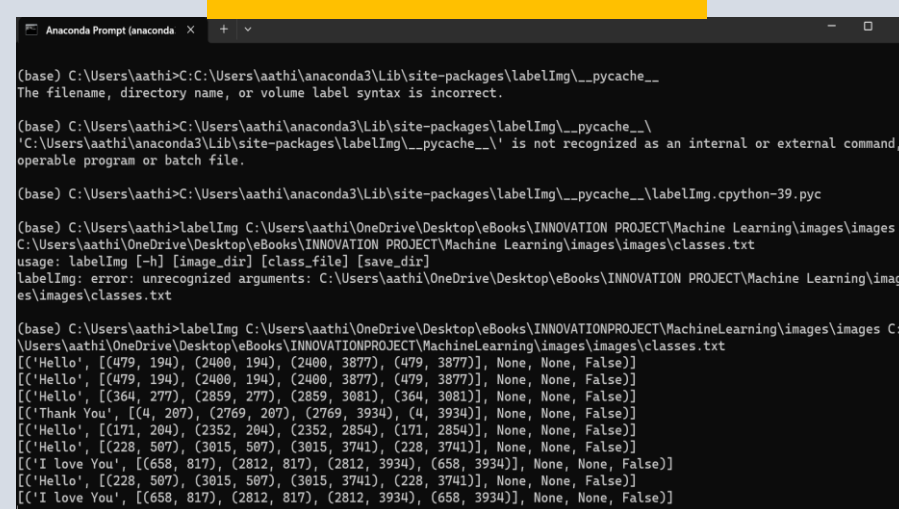
### Annotating Images



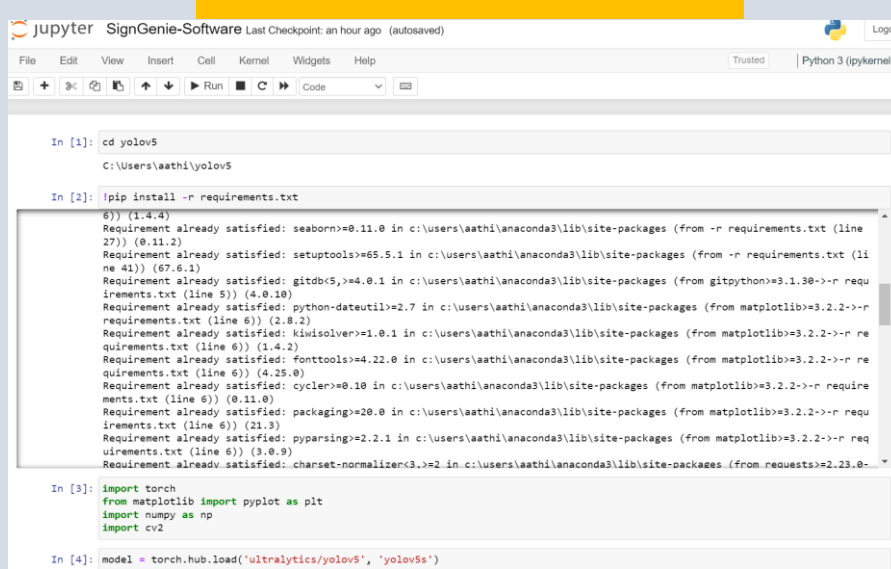
### Prediction



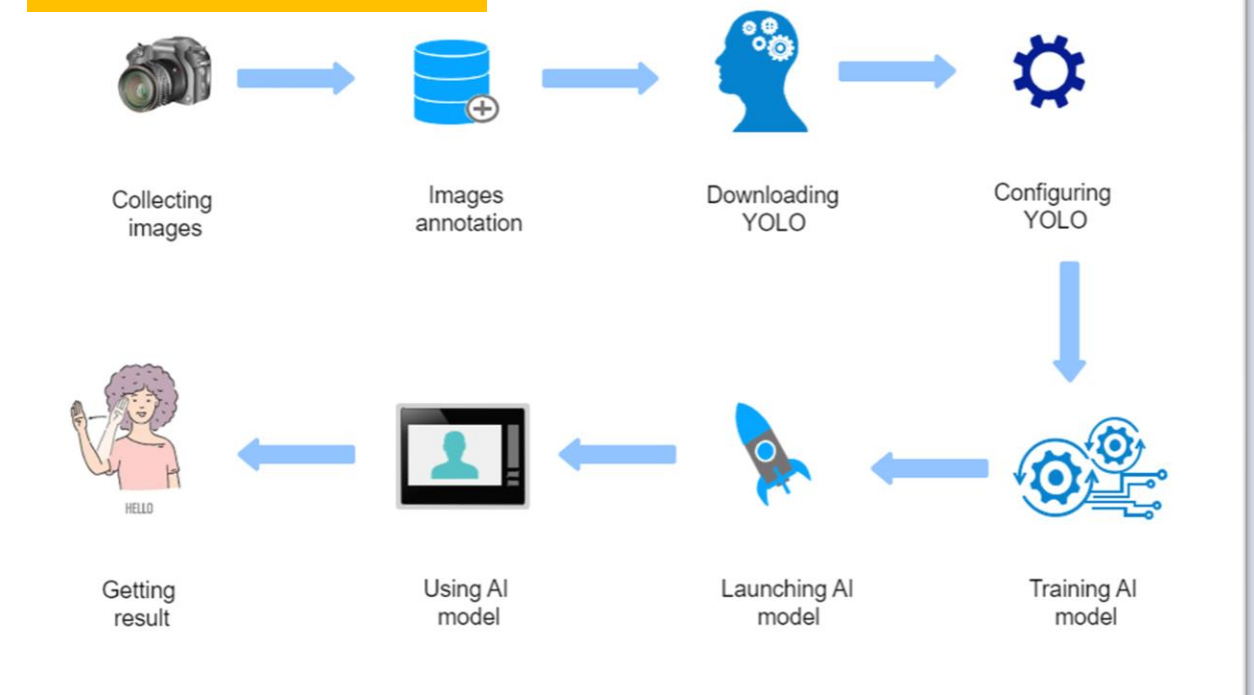
### Training Model



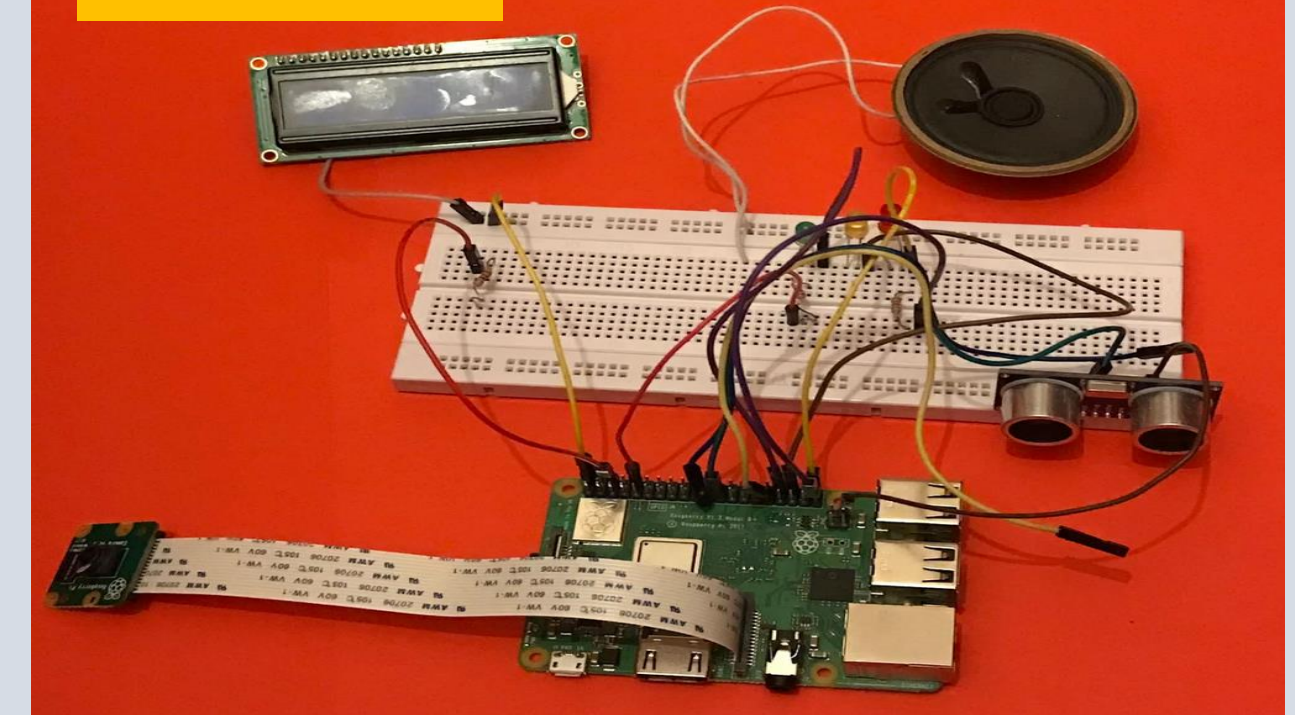
### AI Model



### SOFTWARE DESIGN



### HARDWARE DESIGN



## Why is it needed?



### Communication barrier

Break down communication barriers faced by deaf and hard-of-hearing individuals



### Real Time

Provides real-time and accurate translations, improving communication across industries



### Inclusivity and accessibility

Promotes inclusivity and accessibility and plans to expand its features and regional dialect support

### Feedback

Gathers feedback to remain relevant and up-to-date

### Partnerships

Aims to partner with like-minded organizations for inclusivity and accessibility

### Success

Has the potential for worldwide growth, positively impacting individuals' lives

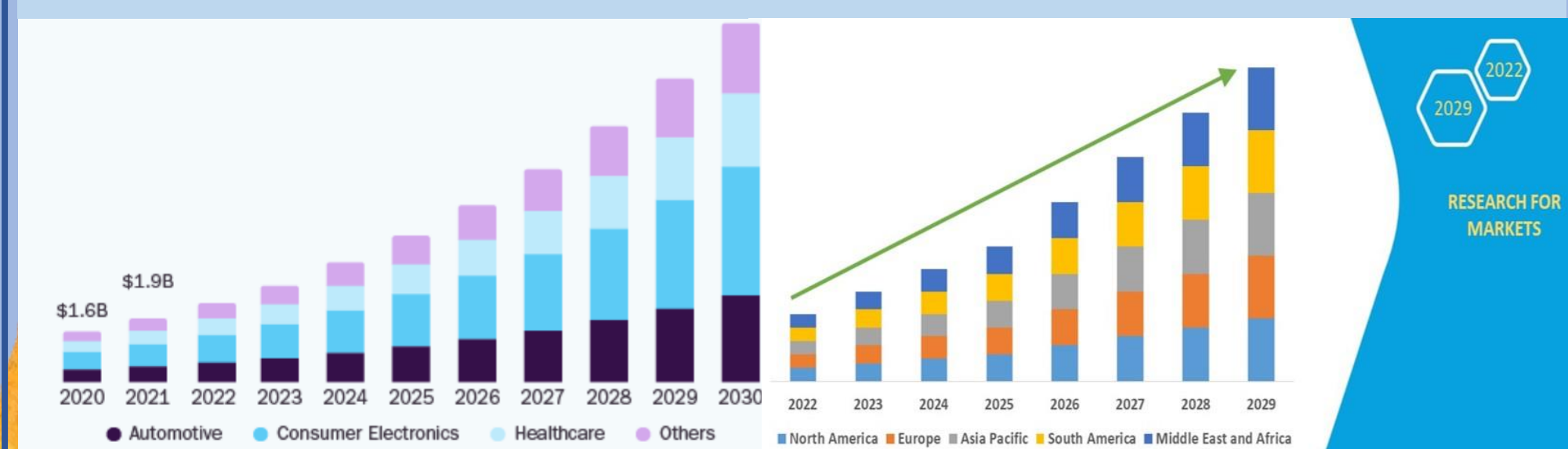
## Market

### Research

- Partnerships with key players provide strategic opportunities
- High barrier to entry for new entrants due to need of Technological expertise.
- Risks are **privacy concerns, pronunciation and prosody issues, and competition.**

### Opportunities

- Increasing demand for technology to aid those with visual impairments and learning disabilities.
- Expanding aging population and growing adoption of voice assistants and smart speakers provide market opportunities.



## Its Impact

10 REDUCED INEQUALITIES



4 QUALITY EDUCATION



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



CREATORS: AATHIRA T DEV | RHEABEN PATEL | OLAYEMI OJO | TYRESE EDWARDS | BRIAN WEIR

