



Making Sign Language Accessible

Design Project | SWE 4506



Team Members

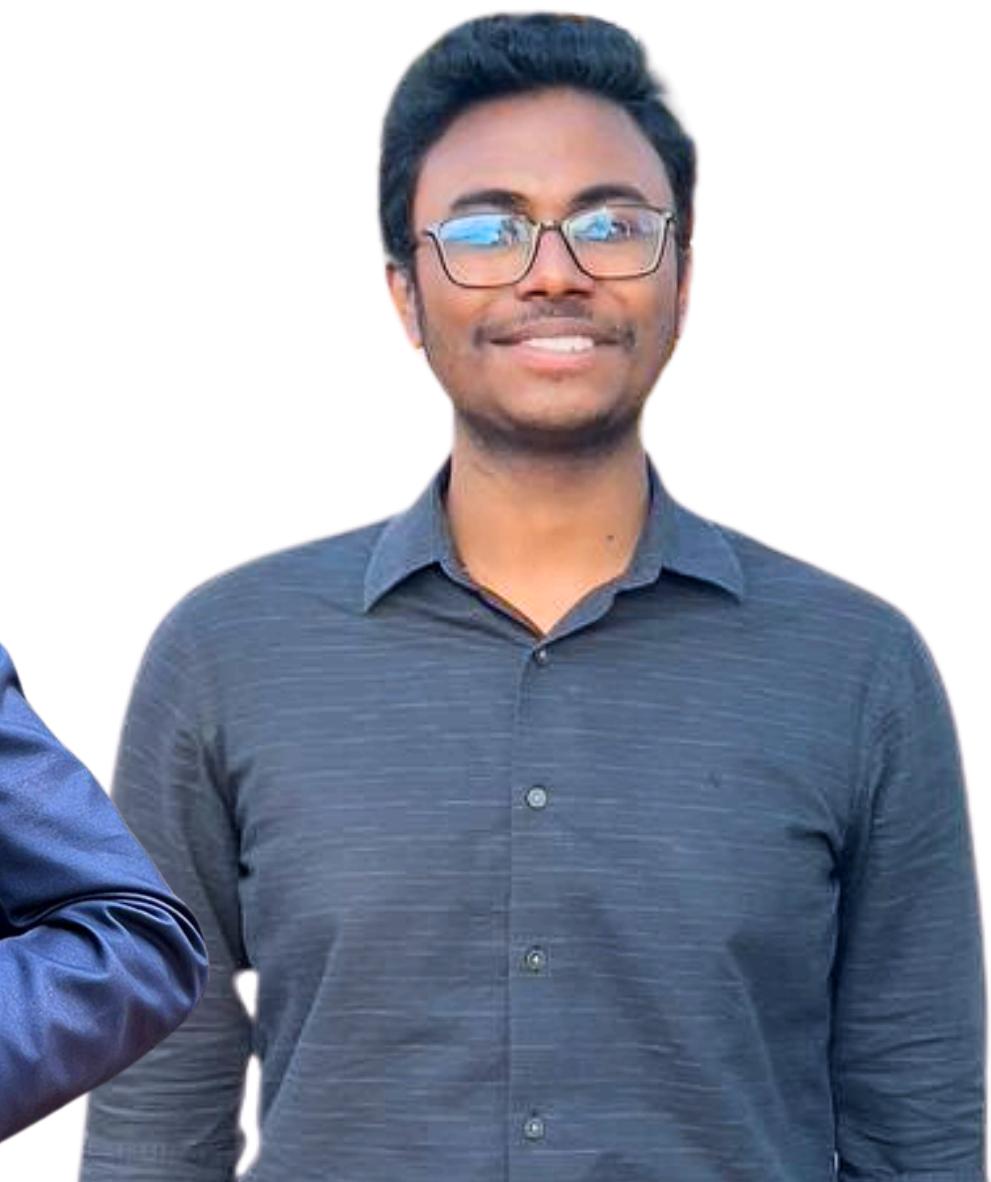
Ahmed Alfey Sani
210042129



Mahmudul Islam Mahin
210042140



Hasin Mahtab Alvee
210042174



Overview



**Real-time ASL
Translation**

°))((. **signall**

SignAll is a web application designed to bridge communication between individuals who use American Sign Language (ASL) and those who do not.

**Interactive
Communication**

Promised Features



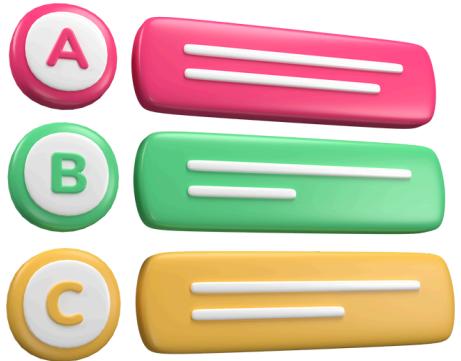
ASL Translation

Real-time translation of ASL gestures



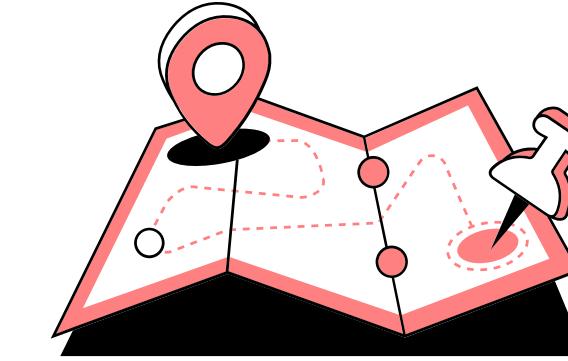
ASL Dictionary

Database of ASL gestures with images, gifs, or videos for each.



Practice Quizzes

Quizzes and immediate feedback of ASL knowledge.



Learning Roadmap

Structured learning roadmap with 28 lessons, and a certificate upon successful course completion.

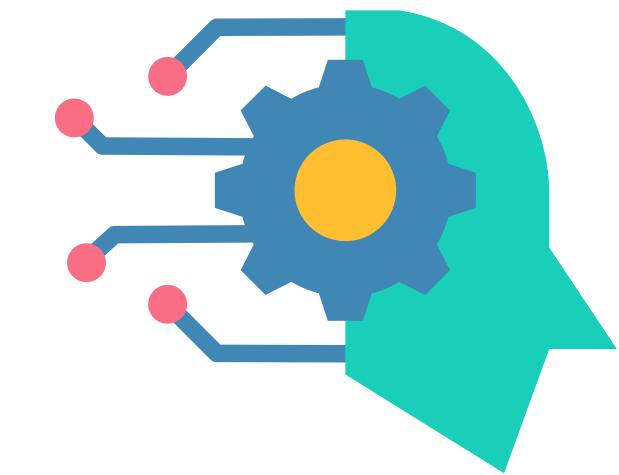
Previous Progress



ASL Dictionary

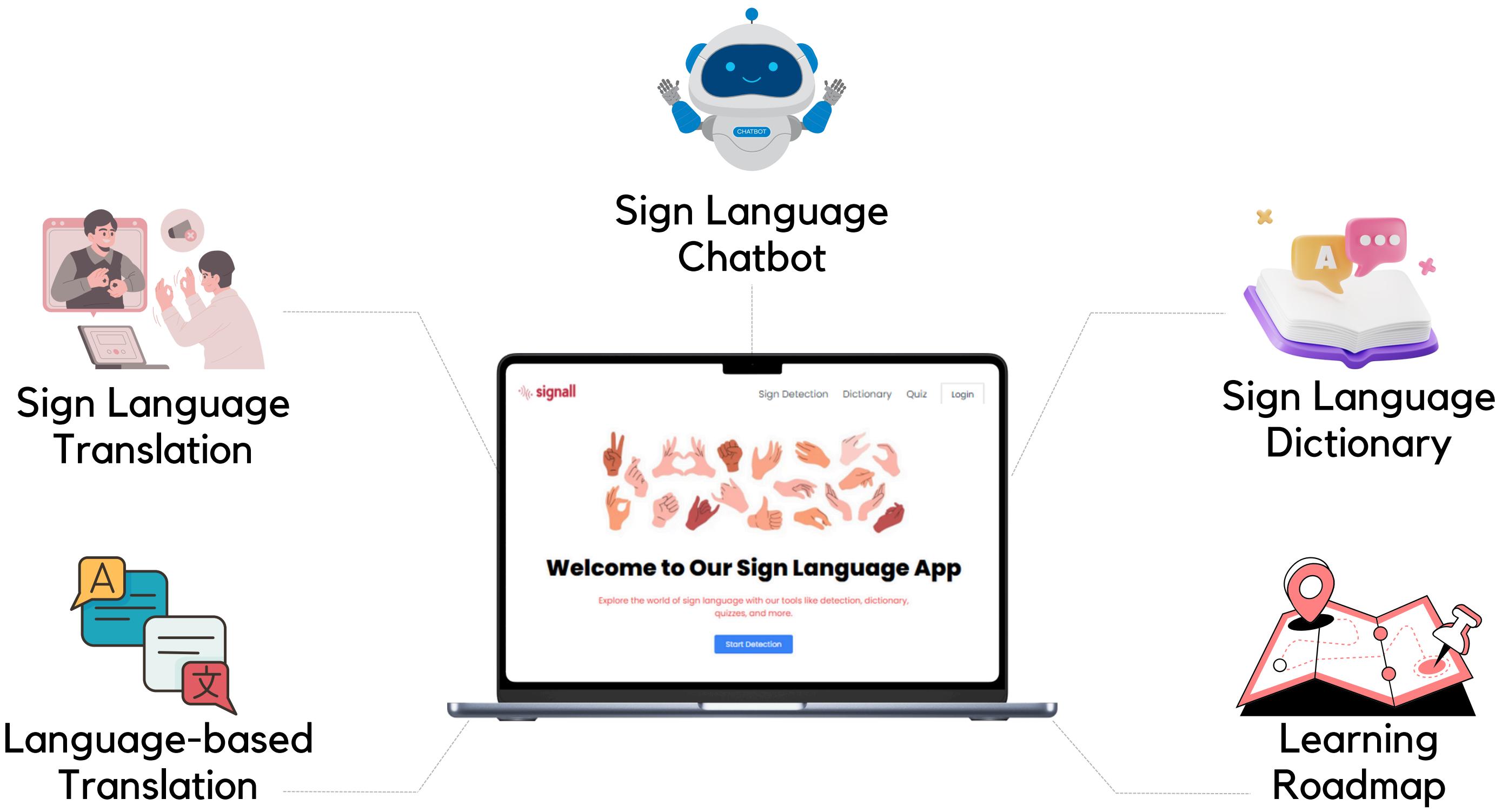


Admin Panel



Detection Model

Implemented Features

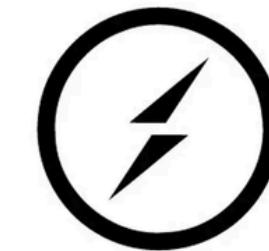


Tools & Technologies

Frontend

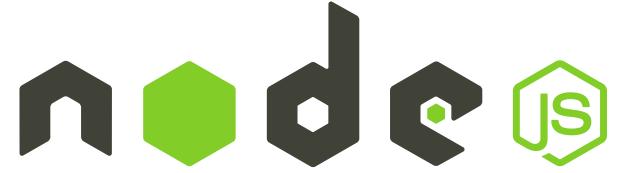


NEXT.js



socket.io

Backend



FastAPI



Machine
Learning

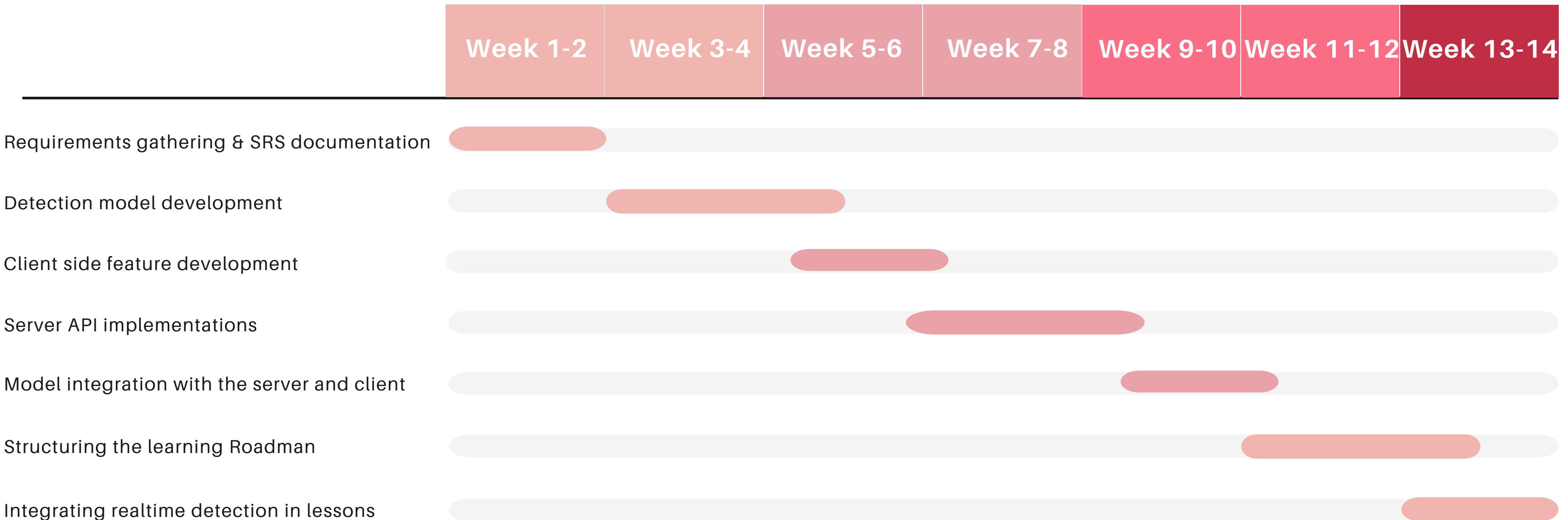


TensorFlow



CV zone

Timeline



DEMONSTRATION