Other Technology And Implementation

Implementation

First task is to create a base app using flutter

Then the Voice recognition plugin has to be added to the app.(this plugin can hear what the user says and convert it into text and pass it to the Twinword api)

The Twinword api classify the input data into symptoms, medications and side effects

Then these symptoms , medication and side effects are passed to the bioBert model which will process the data

The we can't directly include bioBert model to an app, so we need to make it light weight using the tensorflow light

After processing the data the output will be displayed on the screen

Twinword API

Classify unstructured data such as articles or text into predefined categories.

Used to classify symptoms, medications and side effects

Twinword Text Classification API can help sort any text (for example from articles, papers, web pages, blog posts, and messages) automatically into predefined categories

<u>Python3</u>

Python is widely considered as the preferred language for teaching and learning Ml (Machine Learning). Few simple reasons are:

1. It's simple to learn. As compared to c, c++ and Java the syntax is simpler.And Python also consists of a lot of code libraries for ease of use.

2. Though it is slower than some of the other languages, the data handling capacity is great.

3. Python Is Reliable and Efficient

FireBase

Firebase is a Google service

We can you firebase for the sign in and sign up features of this app