Diagnoses of typhoid fever through Machine learning

Introduction:

Typhoid fever is caused by a bacteria called, Salmonella Enterica Serovar Typhi. This bacterium is a nasty one. It has a big footprint on developing countries with an estimated 10.9 million people getting sick and 116 800 deaths every year.

Typhoid fever used to be much more deadly about 50 years ago. Now a days, if you get medical treatment, typhoid fever stops making you feel ill in a few days. It's still a deadly disease if left untreated, but between 1945 and 1977, the fatality rate of reported Typhoid fever cased dropped from 15.5% to 1.1% .Although modern laboratory based research studies say the true modern mortality rate is around 6.8%.

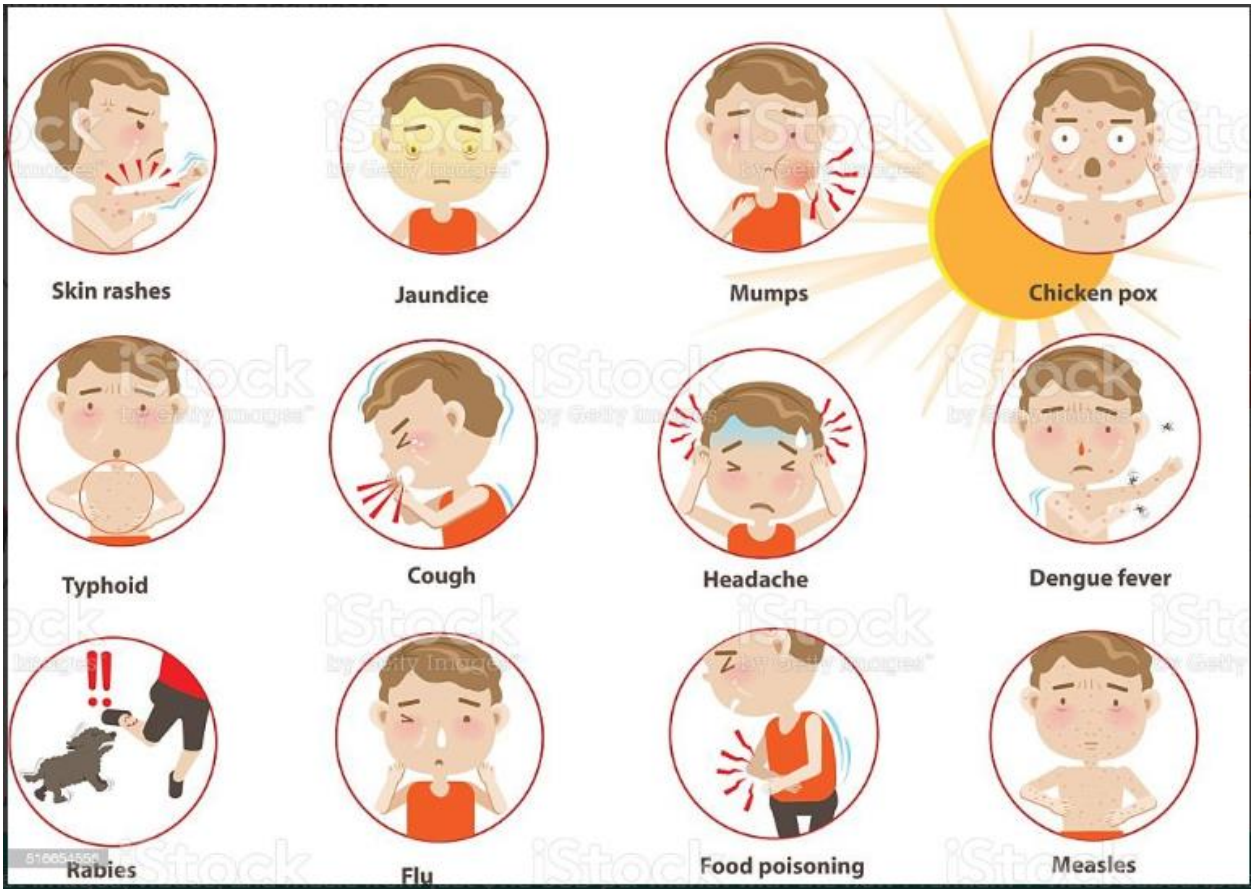
Old Method of Diagnoses:

There were old adopted to diagnose the disease like went through different kind of test either typhoid fever caught or not that waste a lot time and money.

Proposed solution:

World is changing rapidly. We have to adopt living standard according to these. We will develop such a mechanism that will be able to provide the facility of a rapid short but descriptive test that will better facilitate the patients of typhoid fever.

Major symptoms:



Some major features of that process includes:

- Sign up
- Personal information of the patient
- Major important symptoms
- Major required tests
- Finally diagnoses

Random Ruff Features:

Tools for Project

- Figma for Design
- Gantt chart
- Conda for Ml
- Datasets
- Android Studio
- Java Development Kit
- Any DB suggested by mentors will used.

My strategies:

Timeline	Task
Week1	I Will get more familiar with the Mboalab community.
Week-2	Make side by side contribution and will blogging.
Week-3	Go through research paper more and more and to do better work. Analyses the problem and proposed Design.
Week-5	Will gather data set and clean data set. Data will be gathered different resources through survey forms and medical specialist.
Week-6	According to data set will use machine learning algorithm for the dataset for better result. Side by side android application will be developed.
Week-7	70% of the dataset will be used for training of Ml model. Furthermore side by side documentation will be done.
Week-8	30% of the dataset will be used for training of Ml model.
Week-9	Best Model will choose and train that model on large data set.
Week-10	Android application and other components merging will be done.
Week-11	Test cases will be generating all white box and black box testing will be performed. And bugs will be fixed.
Week-12	Final deliverable will be submit.

References:

https://www.coalitionagainsttyphoid.org/why-typhoid/