USING ARTIFICIAL INTELLIGENGE TO IMPROVE THE LIFESTYLE - MACHINE LEARNING PROJECT IN PYTHON

PROJECT REPORT

Students Name: **ABHILA GEACELINA A**
AFRIN O M
ASHITHA ANGEL D

Department of Computer Science Engineering
Francis Xavier Engineering College,
Tirunelveli, Tamil Nadu, India

Table of contents

1. Introduction
2. Problem Statement
3. Goals
4.Tools Used
5. Objective
6. Scope of the Project
7. Prediction module
    - 7.1 Breast Cancer Predictor
    - 7.2. Brain Tumor Predictor
    - 7.3. Voice to Text Convertor
    - 7.4. Emotion Predictor
8. Technologies Used
9. Conclusion

INTRODUCTION

The project Health Prediction and Management System includes computerized detection of Breast Cancer ,Brain Tumor ,Emotions and even a Voice to Text Convertor for visually impaired people. The software has the ability to detect the infected cells. It helps to improve the lifestyle of people by monitoring their Health.

PROBLEM STATEMENT

Applying AI to help people improve their Lifestyle

GOALS

1-User friendly
2-Simple fast

3-Low cost and effective
4-It deals with monitoring the patient's health status
5- Diagnosis of disease

OBJECTIVES

1) Gathering information about the patients.
2) Recording information related to diagnosis given to Patients.
3) Keeping record of Calories, Heart Rate, Diabetes etc
4) Keeping information about various diseases.

These are the various jobs that need to be done in a Health System Website.

SCOPE OF THE PROJECT

1) Everyone can check their Health status irrespective of their status.
2) Diagnosis information to patients is generally recorded on the document, which contains Patient information.
3) Records of Patients are maintained.

4) Information about various diseases is kept as a document

TOOLS USED

- PYTHON
- HTML
- CSS
- JAVA SCRIPT
- FLASK (LOCAL DEPLOYMENT)

TECHNOLOGIES USED

- ARTIFICIAL INTELLIGENCE
- DEEP LEARNING
- MACHINE LEARNING (DATA SET)

PREDICTION MODULE

BREAST CANCER PREDICTOR

Asks for your scan picture and detects whether cancer cells are present in the breasts or not.

BRAIN TUMOR PREDICTOR

Reads your scan pictures of your brain and detects if the tumor is present or not.

EMOTION PREDICTOR

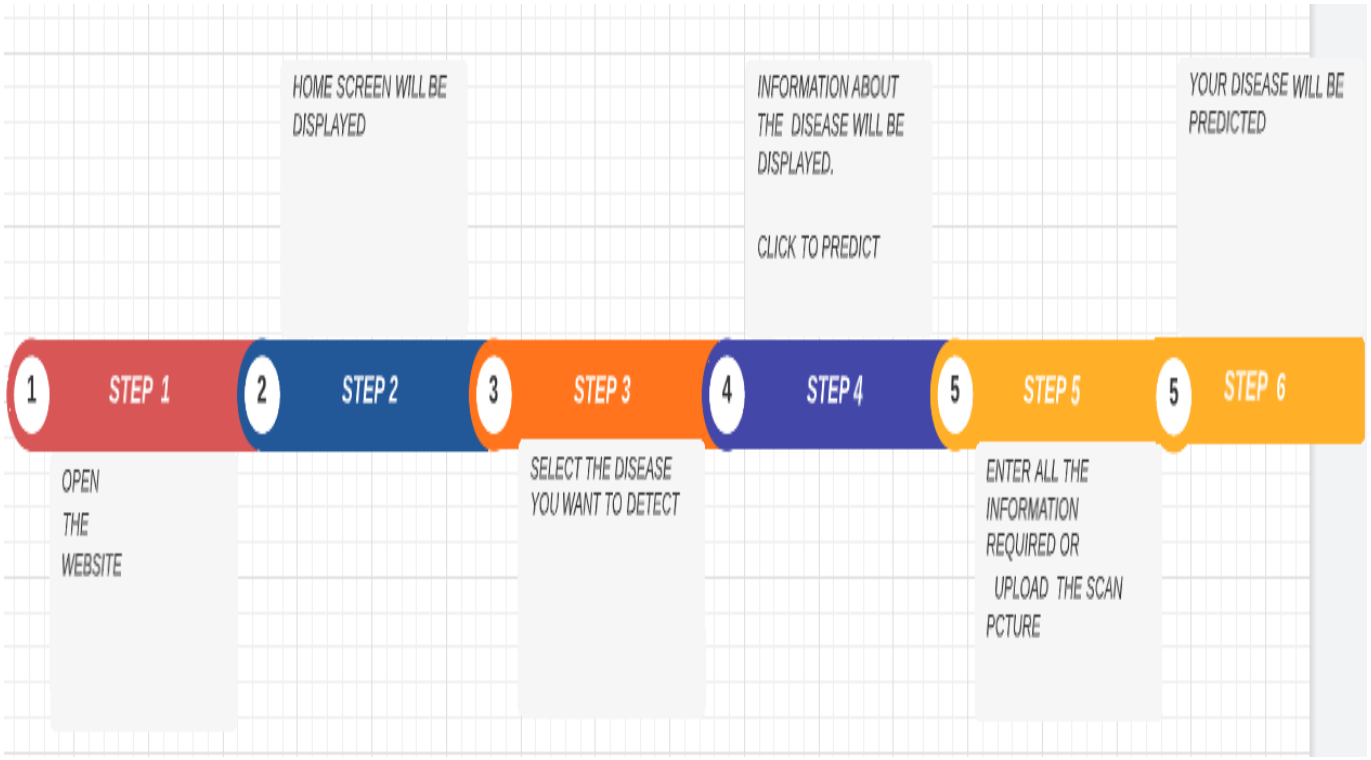
Asks for your information and detects the emotions present in the sentence. This is useful for treating depressed and mentally impaired patients.

VOICE TO TEXT CONVERTOR

Used to convert your audio files into a text format. This is especially useful for visually impaired patients.

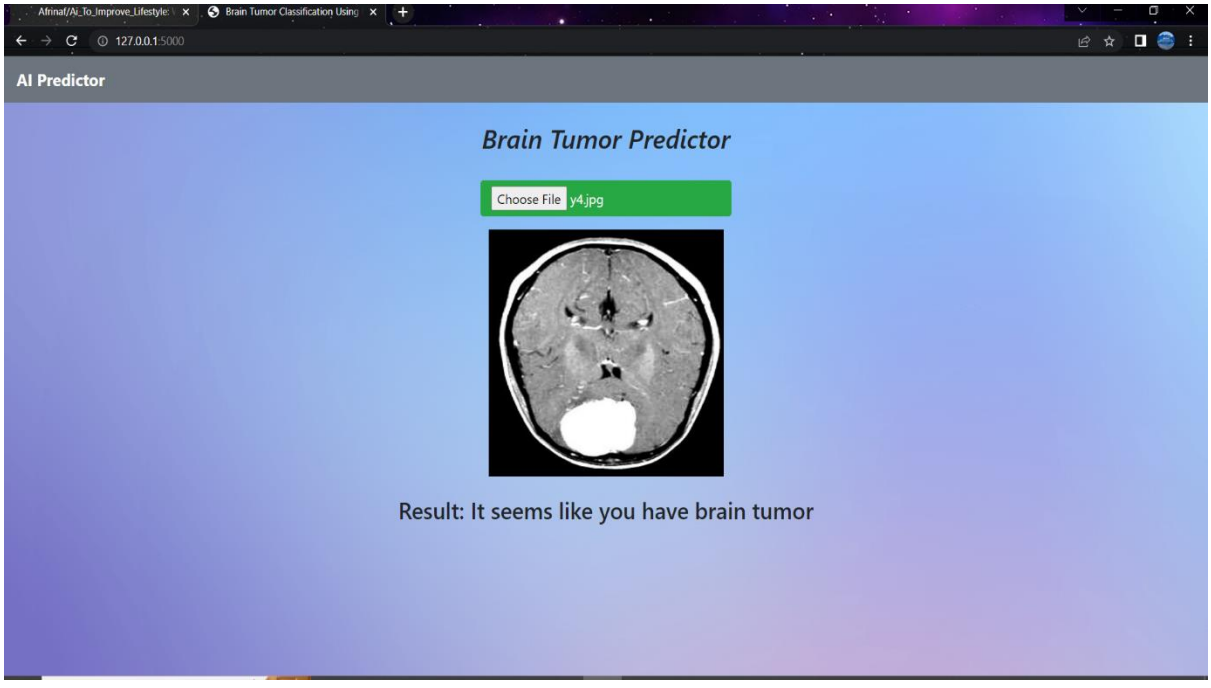
CONCLUSION

This website will monitor the health status of the patients and detects the diseases in patients. It is very useful for the normal people.

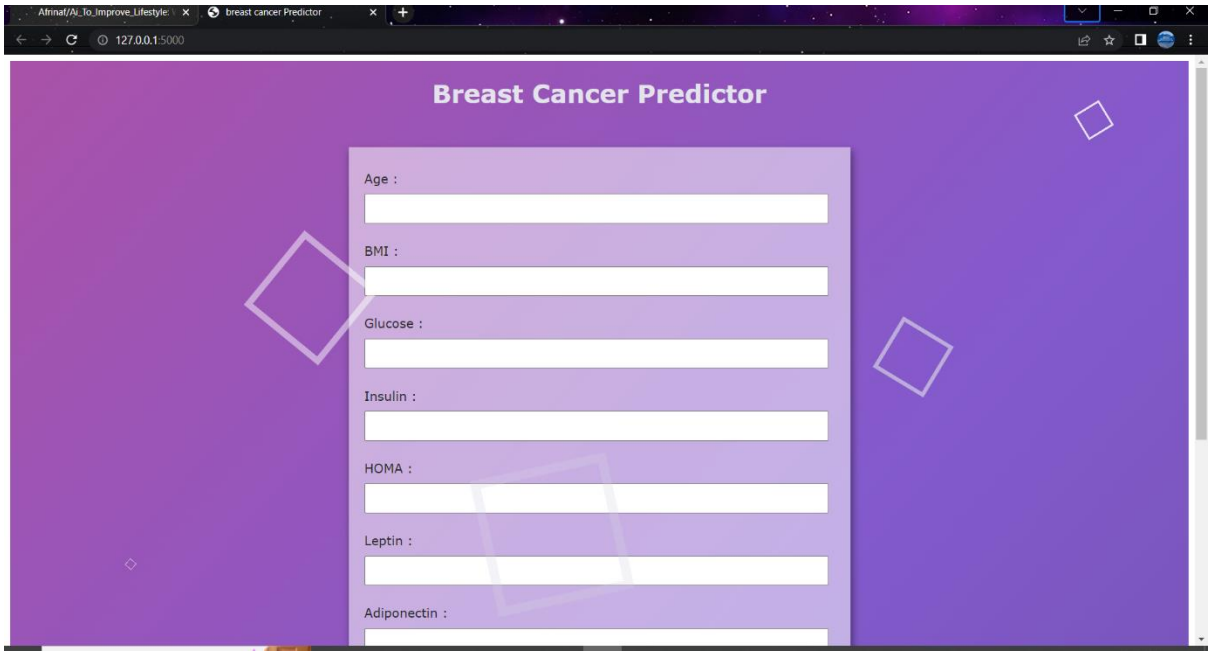


Output:

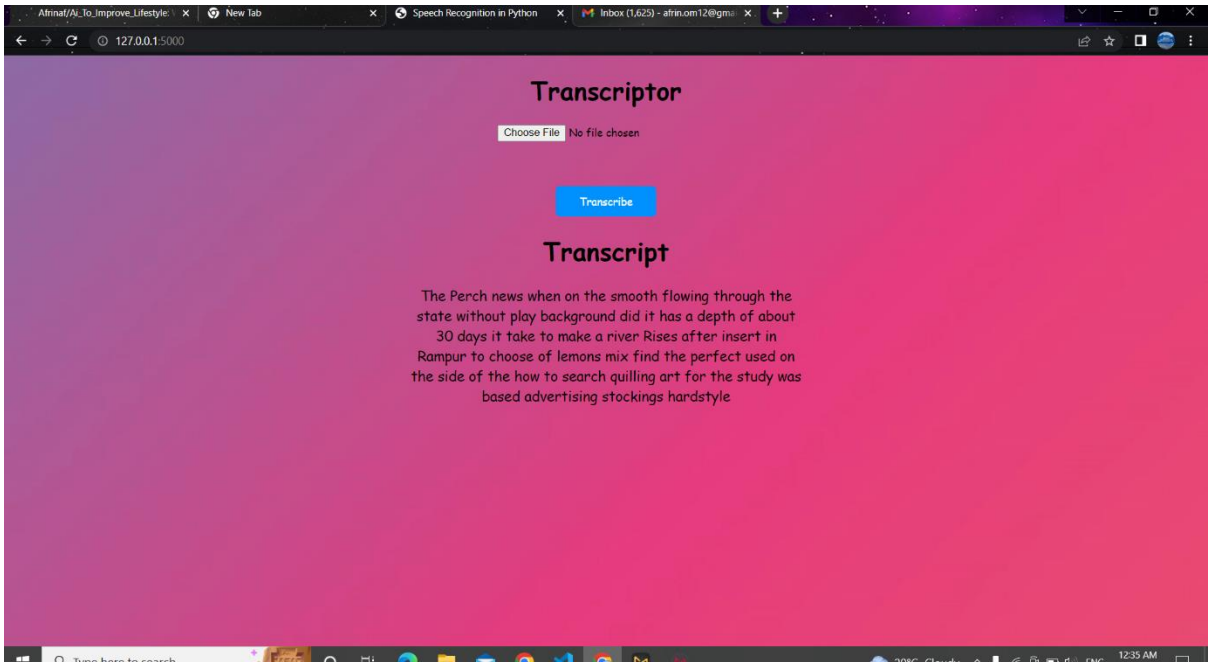
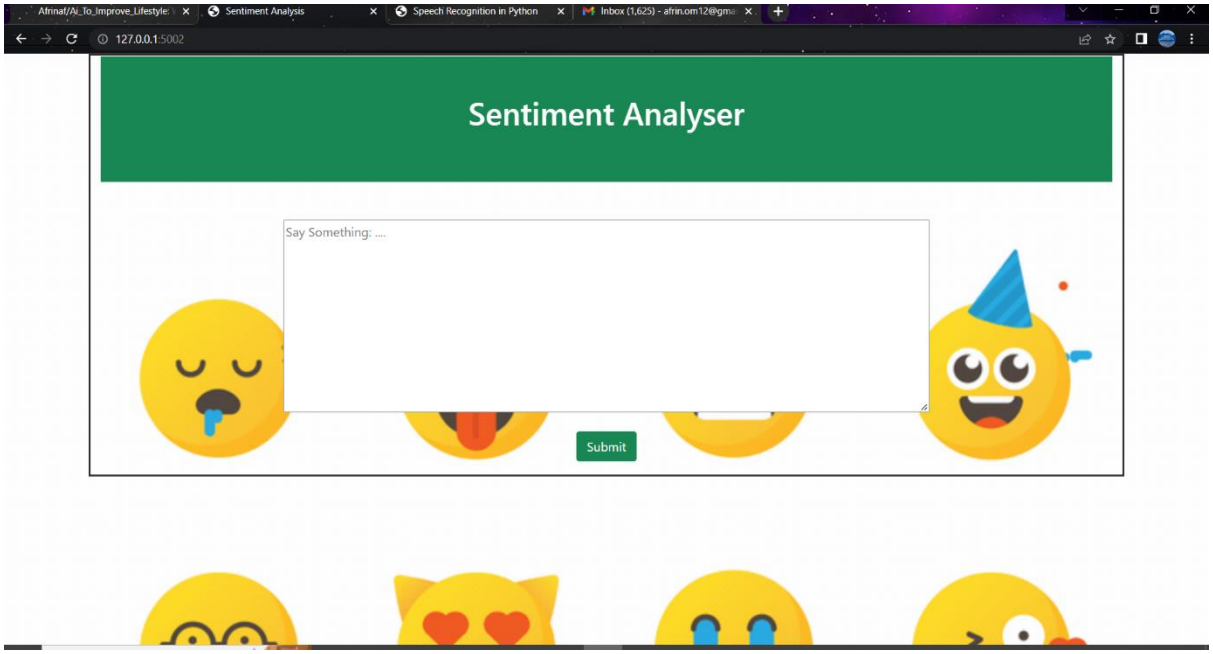
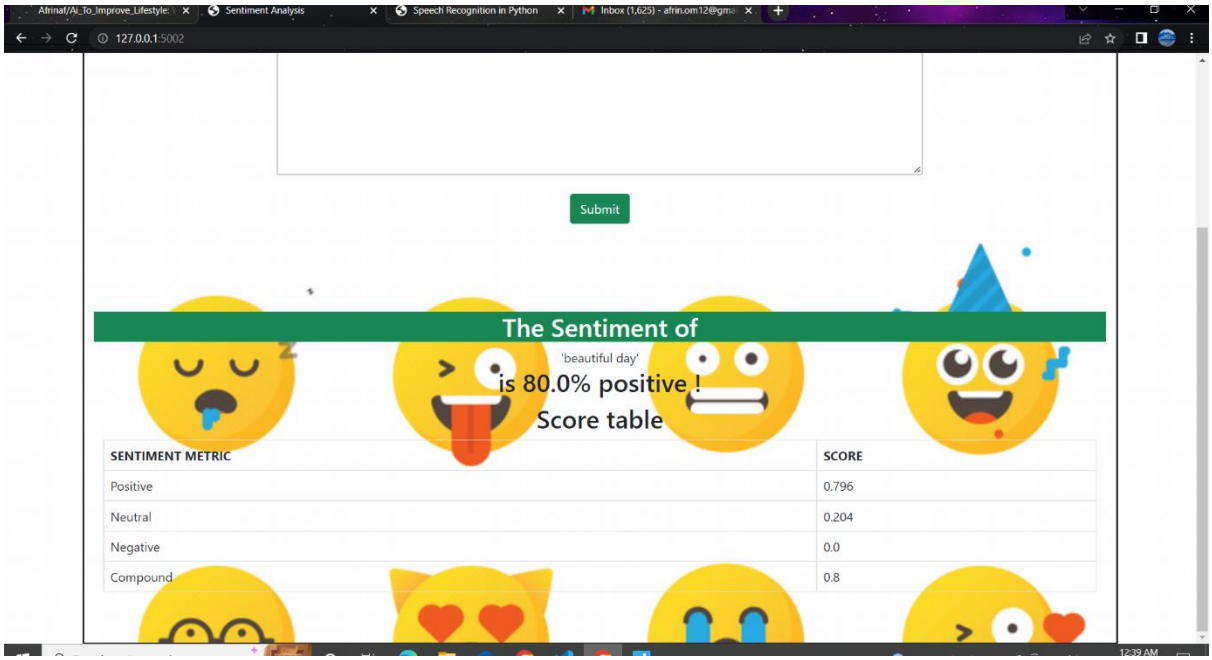
Brain Tumor Predictor :



Breast Cancer Predictor :



Voice to Text Convertor:



Emotion Predictor