Heart Condition Prediction

Overview

The **Heart Condition Prediction** project is a Streamlit application designed to assess the likelihood of heart conditions based on various input parameters. Users provide information such as age, sex, blood pressure, cholesterol levels, and more, and the application delivers a result indicating whether the user is safe or if further medical attention is advisable.

How to Use

Clone the Repository: `bash git clone https://github.com/vijaytakbhate2002/heart-condition-prediction.git cd heart-condition-prediction`

Install Dependencies: `bash pip install -r requirements.txt`

Run the Application: `bash streamlit run app.py`

Access the Application: Open your web browser and go to http://localhost:8501.

Input Parameters:

6. Age
7. Sex (0 for female, 1 for male)
8. Chest Pain Type (cp_num)
9. Resting Blood Pressure (trestbps)
10. Cholesterol (chol)
11. Fasting Blood Sugar (fps_num)
12. Resting Electrocardiographic Results (restecg_num)
13. Maximum Heart Rate Achieved (thalach)
14. Exercise-Induced Angina (exang_num)
15. Oldpeak
16. Slope of the Peak Exercise ST Segment (slope_num)
17. Number of Major Vessels Colored by Fluoroscopy (ca_num)

Thalassemia (thal_num)

Result:

20. "You are Safe! :thumbsup: ■" if safe
21. "You need to check up for heart. Don't worry, I am just 97% accurate. ■" if unsafe.

Folder Structure

- `app.py`: Main Streamlit application file.
- `heart_disease_model`: Folder containing the heart disease prediction model.
- `requirements.txt`: List of project dependencies.