Innotech Group Project Overview

Project Overview:

This project is part of the Innotech school event. The team, Binary Brigade, developed a solution with a focus

on the early diagnosis of heart risks. The project combines data analysis, machine learning, and a Streamlit interface

to provide a functional and interactive experience.

Team Name: Binary Brigade

Team Members:

- Harsh Bhardwaj (Team Lead)
- Chanchal Sharma
- Harshita Gupta
- Kuldeep Singh

Contributions:

- Harsh Bhardwaj:
  * Data Analysis: Performed dataset refinement and updates.
  * Trained the machine learning model and imported the trained model for use in the application.
- Harsh and Chanchal:
  * Streamlit Interface: Developed the app file and created a user-friendly interface using Streamlit.
  * Upgraded the interface for better functionality and design, ensuring a smoother experience for users.
- Harshita and Kuldeep:

* Improvements & Suggestions: Suggested improvements in the interface and user experience.

* Provided feedback and fine-tuned the application.

Project Objective:

The project takes user inputs such as age, BMI, smoking habits, sugar, and cholesterol levels to predict

the risks of heart diseases.

Technologies Used:

- Python
- Streamlit
- imblearn
- sklearn
- pandas
- numpy

Installation:

1. Clone this repository:

```
git clone https://github.com/rituharsh9436/Innotech.git
cd Innotech
```

2. Install the required dependencies:

```
pip install -r requirements.txt
```

Ensure you have Python 3.x and pip installed.

Usage:

To run the Streamlit app, execute the following in your terminal:

```
streamlit run app.py
```

This will start the app and open it in your browser.

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