Code Canvas

Smart ChatBot

Sub Domain- Web/App development to detect mental load

Introduction:

In the pursuit of safeguarding public health and fostering sustainable development, SHADG 2024 introduces the "Code Canvas" challenge - Build a responsive, and smart ChatBot, which will, come up with mental fatigue levels based on the user's day-to-day work.

Mental Health and Well-Being is a major topic of discussion nowadays, with many people and groups advocating for it, and institutions making adjustments according to it. In a world where many prefer to keep quiet about their mental health, a personal ChatBot, which tracks and identifies the overworked & tiredness levels, happiness levels, and mental health status is required.

Problem Statement:

According to the World Health Organisation, depression is the leading cause of disability worldwide. Disturbingly, the data suggests mental health disorders are on the rise, especially among the younger generation. The National Alliance on Mental Illness claims that the stigma surrounding mental health can prevent people from seeking help. The economic cost of work-related stress is estimated to be $1 trillion annually in the United States alone. Tackling this urgent concern, the task at hand is to design and train a ChatBot to dynamically tailor questions and pinpoint the user's tiredness levels and suggest rest periods.

Challenge Objective (Must have's):

Participants are tasked with creating an advanced ChatBot trained to effectively decide and judge the tiredness levels of the user by asking a set of relevant questions. The ChatBot must be trained to lead the series of questions asked on the basis of responses received. It must be able to display the factors required but not limited to tiredness levels, happiness index, rest period, and mood enlighteners. The ChatBot must be able to be able to respond appropriately to the user's inputs.

Judging Criteria:
- Model Accuracy and Performance
- Innovation, and Approach in Model Development
- Practicality and Scalability
- Presentation and Communication Skills
- UI & Question Selection of ChatBot