

Human Behavior Analysis for Psychological Healthcare Sector (Project SERENITY)

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Abstract

Mental health is a key area of the healthcare sector. While taking care of the physical health of the human body, it is important to pay attention to mental health as well. This project is done to help people maintain their mental health. 'SERENITY' is a web application designed not only for patients but also for doctors. This app works as a virtual assistant for a doctor, and this app helps doctors constantly monitor their patients' behaviour, as well as SERENITY, which will be able to analyze the emotions of patients individually.

Keywords

Deep Learning, Long Short-Term Memory, Natural Language Processing, Speech Emotion Recognition, Face Emotion Recognition, Sentimental Analysis, Virtual Assistant, Virtual Therapy, Chatbot, Rectified Linear Unit