DEPRESSION ANALYSIS - CHATBOT

A PROJECT REPORT

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ABSTRACT

This project delves into the pervasive issue of Major Depressive Disorder, a severe mental ailment affecting a significant portion of the population due to various stressors. Despite its prevalence, societal taboos surrounding depression hinder open discourse, potentially exacerbating its detrimental effects on individuals.

The proposed system pioneers the integration of natural language processing and machine learning algorithms to scrutinize user-generated content for linguistic cues indicative of depression. Employing diverse models, including deep learning approaches, enhances accuracy in early identification. Ethical considerations, prioritizing privacy and data security, underscore the system's development. Utilizing a labeled dataset for robust model training and validation,the system aims to evolve into a scalable tool for proactive identification of individuals atrisk of depression.

This project contributes to the emerging field of mental health informatics, utilizing AI and ML to address mental health concerns in the online realm. Furthermore, a chatbot component extends support by recommending details of mental health professionals, fostering a bridge between online identification and professional intervention for holistic mental health treatments.