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SCHOOL OF COMPUTER SCIENCE AND ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

21CSP302L- PROJECT

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Class/Sec : CSBS 'A'

Zeroth Review

ZenLoop

Batch No.: 02

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ABSTRACT

ZenLoop is an AI-powered web3 application designed to help individuals navigate their emotional well-being and foster self-awareness. By combining modern technologies like natural language processing (NLP), blockchain-based journal storage, and real-time analytics, ZenLoop acts as a personalized companion with the help of a chatbot for mental wellness. It provides a seamless space for users to record their thoughts, reflect on their emotions, and track progress—all while ensuring data security, privacy, and accessibility.

INTRODUCTION

With mental health becoming an essential focus in today’s fast-paced life, ZenLoop bridges the gap between technology and emotional well-being. Whether it's logging your thoughts, gaining AI-powered insights into your mood, or receiving personalized affirmations, ZenLoop is designed to help users understand themselves better. Through features like AI-driven chatbot assistance for dynamic interactions, Blockchain-based journal storage for privacy and permanence, Real-time analytics, and visualizations of emotional patterns, ZenLoop offers a comprehensive mental health companion that evolves with the user and help them find peace amidst the chaos of everyday life.

OBJECTIVES

ZenLoop’s primary objective is to create a safe, engaging, and intuitive platform for emotional expression, mental health tracking, and mindfulness. It aims to empower users with insights into their emotional patterns, promote self-reflection, and provide AI-driven support to improve emotional resilience. ZenLoop’s integration of secure Web3 storage ensures user data remains private and immutable, fostering trust and reliability.

REFERENCES

- S. Hamdoun, R. Monteleone, T. Bookman and K. Michael, "AI-Based and Digital Mental Health Apps: Balancing Need and Risk," in IEEE Technology and Society Magazine, vol. 42, no. 1, pp. 25-36, March 2023, doi: 10.1109/MTS.2023.3241309.

- S. Allen, "Improving Psychotherapy With AI: From the Couch to the Keyboard," in IEEE Pulse, vol. 13, no. 5, pp. 2-8, Sept.-Oct. 2022, doi: 10.1109/MPULS.2022.3208809.