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YaadVrutt: A Digital Solution for Memory Management and Cognitive Assistance

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Abstract: YaadVrutt: A Digital Solution for Memory Management and Cognitive Assistance is a mobile application designed to enhance the quality of life for individuals with memory-related challenges, particularly dementia patients. It fosters seamless caregiver communication through key features such as an emergency SOS system that alerts caregivers with the patient's location via SMS and call. A medicine reminder with text-to-speech (TTS) ensures timely medication adherence. The Memory Book allows patients to store event details with images and descriptions, promoting cognitive engagement. Additionally, an intuitive notes and task management system aids daily organization. A built-in chat facilitates direct communication, while an AI-driven chatbot powered by the Gemini API provides cognitive support. By integrating these functionalities, YaadVrutt enhances patient independence and equips caregivers with effective monitoring tools, serving as an innovative digital companion for memory management.

Keywords: Memory management, dementia assistance, caregiver support, emergency SOS, medicine reminders, chatbot, cognitive assistance



