

DEVELOPMENT OF A COMPREHENSIVE HOSPITAL MANAGEMENT APPLICATION

Harshni P K, Selvarasi S, Pirai Sudan B
Bannari Amman Institute of Technology

This paper presents the development of a Hospital Management Application designed to enhance patient care and operational efficiency in healthcare settings. Utilizing a technology stack that includes HTML, CSS, JavaScript, Flask, and SQLite, the application integrates key features such as an AI-powered chatbot, an alarm notification system, and online consultation services. The alarm notification system is aimed at improving medication adherence through personalized reminders, while the integrated diagnostic system facilitates streamlined consultations and symptom management. Initial results indicate significant improvements in patient engagement and adherence rates, highlighting the effectiveness of the application in addressing contemporary healthcare challenges.