

AcuScan: AI-Powered Medical Doubt and Scan Analysis

Abstract:

AcuScan is a web application designed to provide users with educational and informational insights into medical queries and scan analysis, leveraging the capabilities of artificial intelligence. This platform addresses the growing need for accessible and informative medical resources by enabling users to submit their medical questions and upload medical scan images, receiving AI-generated responses powered by Google's Gemini AI. AcuScan aims to empower individuals to better understand their health and medical conditions, while emphasizing that the information provided is for educational purposes only and should not replace professional medical advice. The application utilizes a user-friendly interface to facilitate seamless interaction. Users can input specific medical doubts, ranging from general inquiries about symptoms and treatments to more complex questions about medical conditions. Additionally, AcuScan allows users to upload medical scans, such as X-rays, MRIs, and CT scans, for analysis. The uploaded scans are processed by the Gemini AI, which generates an informative report based on the image data. This report provides insights into the key features of the scan, potential areas of concern, and relevant medical information.

Team Members and Roles:

- SARATHI R, Roll No.: AM.SC.P2AML24024

Brief note on each member's contribution:

- SARATHI R: Fully developed the application.