



AI Floor Plan Generator

Problem Statement

The process of designing floor plans for many types of places, such as residential, commercial, and industrial, necessitates much knowledge and time. Traditionally, this procedure requires human drafting, which can be time-consuming and may not necessarily fit with user preferences or functional requirements. Advances in artificial intelligence (AI) and machine learning (ML) have the ability to automate and improve the floor plan generating process, giving users with tailored and optimized designs based on their individual requirements and input.

Solution

To create an AI-powered floor plan generator that accepts user-defined inputs and produces optimized and functional floor designs. The system should employ machine learning techniques to comprehend user requirements and generate floor layouts that meet those parameters while adhering to standard design principles.

Technology used

- Flutter
 - Dart
 - Python
 - Firebase
 - TensorFlow
 - Keras
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