

Building a hotel management website integrated with AI

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Abstract: In the context of the rapid development of information technology, building a hotel management website system integrated with artificial intelligence (AI) has become an inevitable trend. This topic aims to solve the problem of optimizing service processes and improving service quality in hotels through the application of AI technology. Through research, the topic applies theoretical methods combined with experiments to deploy the system, including integrating AI chatbots, analyzing customer data, and predicting accommodation needs. The expected results of the topic are not only highly applicable in real hotel business practices but also make an important contribution to the development of smart technology in the tourism industry.

Keywords: hotel management website, artificial intelligence (AI), chatbot, data analysis, demand forecasting