

Building an Android application for restaurant and coffee shop management integrated with AI functionality

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Abstract: In the context of the rapid development of information technology, building a mobile application for managing restaurants and cafes is a practical solution to enhance operational efficiency. This topic focuses on developing an Android system integrated with artificial intelligence (AI) to automate many stages of the management process. The objective of the research is to build and deploy this application, with features such as customer recognition through images, menu suggestions based on purchase history, and data analysis to optimize business operations. The research methodology includes synthesizing knowledge from academic sources combined with experimentation to create a suitable system. This topic not only has high practical applicability in service management but also contributes to the development of AI technology in the F&B; sector.

Keywords: Android application, Restaurant management, AI integration