

# **Building a personal finance assistant application on mobile devices integrating invoice recognition and AI-powered chatbot.**

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**Abstract:** In the context of increasingly complex personal financial management, this topic aims to address the issue by building a personal financial assistant application system on mobile devices. The system will integrate automatic invoice recognition capabilities and an AI-based chatbot to provide financial advisory services and effective expense management for users. The research methodology includes both theoretical learning and practical application deployment. The objective of the topic is to help users easily track and control personal expenses while creating a useful solution to improve financial management. The expected results of this project will not only contribute to the field of financial technology but also create a practical and beneficial application.

**Keywords:** financial assistant, invoice recognition, AI chatbot, personal finance management, mobile application