Chapter 4
Advanced Method of MOB-I App Used for Medical and Agriculture

Jenifer Mahilraj
https://orcid.org/0000-0002-6257-9682
Depatment of AI and DS, NPR College of Engineering and Technology, Natham, India

Josephine Sahaya Vergin
Alagappa University, India

Vidhyavathi Ramasamy
Alagappa University, India

Nooriya Begam
Alagappa University, India

Joseph Sahayarayan
Alagappa University, India

Sivaram Ponnusamy
https://orcid.org/0000-0001-5746-0268
Department of Artificial Intelligence, G.H. Raisoni College of Engineering, Nagpur, India

ABSTRACT

Over the past few years India has a significant rise in mobile applications. The development of apps for remote work, education, and healthcare has dramatically increased. Applications for cloud meetings, food delivery, gaming, business, social media, healthcare, and fitness are being downloaded by more users. The prevalence of smart phones, increased internet usage, and the incorporation of artificial intelligence and machine learning into mobile applications all suggest that demand for mobile will continue to increase in the future (apps). The importance of AI and ML in application development will rise over time. The aforementioned software is moreover generally acquired from app store websites like the Google Play Store and the App Store for any mobile OS. This chapter provides mobile intelligent applications (MOB-I App) are used to developing based on a model of AI for the human needs to their day-to-day life of their situation. A brief overview of some of the intelligent applications employed in the fields of medical and agriculture.

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INTRODUCTION

In recent years, the usage of mobile applications has spread to a wide range of industries, influencing ones like agriculture, health care, and education for the better. Mobile apps using artificial intelligence can streamline our job. The arduous process of creating a mobile app can be greatly accelerated by incorporating AI and machine learning. We may advance things by applying artificial intelligence in mobile app development, which makes use of the knowledge and information we gather and save in our databases. Applications must continually adjust to the dynamically evolving nature of AI and IoT technology. There has been a significant shift in technology trends that favours intelligent apps. I-Apps, or intelligent applications, help you to fully utilise the capabilities of your smart devices and simplify routine activities.

The farming sector is seeing a rise in demand for greater efficiency as a result of technological advancement. These days, agricultural mobile devices rely on cutting-edge technologies like artificial intelligence, the internet of things, and machine learning. As a result, they can enhance transaction processing, data analysis, field monitoring, and more. Seeding, watering, harvesting, managing animals, and supply chain management are all entirely or at least partially automated thanks to creative technologies. But none of that would be feasible without smart phone apps that provide farmers the ability to monitor and manage what actually occurs on the farm. The idea of "smart farming" is gaining popularity and becoming easier to implement. The major objective of cutting-edge agriculture apps is to maximise crop productivity while lowering the amount of effort required from humans. Using smart agriculture applications, we may keep track of the goods that are kept in a warehouse or follow the path of the supply chain at every stage.

Mobile healthcare apps powered by AI are a great method to support health management. It can recommend routines and treatment strategies using data from wearable devices. AI can assist clinicians in making precise diagnosis, identifying high-risk profiles, and scheduling important tasks. When computers and other machines mimic human cognition and are able to learn, understand, and make decisions or take actions, this is referred to as artificial intelligence (AI). It can assist doctors and other healthcare professionals in providing more precise diagnoses and treatment recommendations by using patient data and other information. The use of ML and other cognitive disciplines for medical diagnosis is an important use of AI in healthcare. By analysing large data to create better preventive care suggestions for patients, AI can also assist in making healthcare more proactive and predictive.

LITERATURE REVIEW

Primary preventive strategies, such as vaccination, are receiving more and more attention due to the increased use of digital technology in healthcare. This review aimed to describe and evaluate existing digital health initiatives that encourage HPV vaccination among adolescents and their parents and to provide recommendations for how such programs could be improved. Factors including HPV-related information, talks about immunization, and vaccination intentions all improved due to the treatments (Choi et al., 2023). Smart homes, which include sensors for detecting motion, contact, light, temperature, and humidity; external memory aids, which combine activity learning through an intelligent home with mobile apps; and hybrid technologies, which combine multiple technologies such as devices installed at patients' homes and telemedicine, make up the intervention above technologies. Using intelligent