



e-ISSN: 2319-8753 | p-ISSN: 2320-6710

IJRSET

International Journal of Innovative Research in
SCIENCE | ENGINEERING | TECHNOLOGY

INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN SCIENCE | ENGINEERING | TECHNOLOGY

Volume 10, Issue 3, March 2021

ISSN INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA

Impact Factor: 7.512

9940 572 462

6381 907 438

ijirset@gmail.com

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A Review of Research on Intelligent App

Mrunal Bharat Patil¹, Dr. Prakash Kene Sir²

P.G. Student, Department of Master of Computer Application, PESs Modern College of Engineering, Pune, India¹

Associate Professor, Department of Master of Computer Application, PESs Modern College of Engineering,
Pune, India²

ABSTRACT: In education, technology can have impact on students to find out actively and may motivate them, resulting in a lively process of learning. The research on Intelligent App in education remains during a primitive stage, and there's lack of research on the consequences. Smart mobiles because the most affordable and practical ubiquitous devices participate heavily within the enhancement of our lifestyle by the utilization of the many convenient applications. However, the many number of mobile users additionally to their heterogeneity (different profiles and contexts) obligates developers to reinforce the standard of their apps by making them more intelligent and more flexible. This is often realized mainly by analyzing mobile user's data. Machine learning (ML) technology provides the manner and techniques needed to extract knowledge from data to facilitate decision-making. Therefore, both developers and researchers affirm the advantages of mixing ML techniques and mobile technology in several application fields as e-health, e-learning, e-commerce, and e-coaching. Thus, the aim of this paper is to possess an summary of the utilization of ML techniques within the design and development of mobile applications. Therefore, we performed a scientific mapping study of papers published on this subject within the period between 1 January 2007 and 31 December 2019. A complete number of 71 papers were selected, studied, and analyzed consistent with the subsequent criteria, year, sources and channel of publication, research type, and methods, quite collected data, and eventually adopted ML models, tasks, and techniques.

KEYWORDS: ML techniques, technology education.

I. INTRODUCTION

In this programmed world, every thing is enclosed with technologies or transformations which planed to polishing the perks of present and faith of futurity. detecting out the foremost essential and very unpleasant technology, among all available technologies stands out for AI. These attracted technologies are full of infinity advantages which fit best to the present fast-moving world and makes easier the users with varied aspects.

Intelligent Apps are the appliance which acquires real-time and historical data from user interactions and other sources so as to supply suggestions and make predictions. It offers humanized and adaptive user experiences, data analytics and machine learning are the core components of intelligent apps. After apprehend, the users' needs, these apps deliver contextual and relevant information also as appraise the users about upcoming issues before they arise. With the help of a high degree of predictive analysis, intelligent apps forebode the users' behavior to form information available easily. Artificial intelligence is employed in developing an intelligent application that's much sophisticated by having algorithms; it automates what proportion tasks to be performed. There are a number of B2C company's would adopt and execute intelligent apps by having increasing eagerness, but its mobility and growth are expected in B2B environments. Features include –

- IA work on a huge amount of knowledge, it's ready to read and store a huge array of human interactions. It combines processes with sensory inputs and powered by IOT which can come up with valuable insights.
- Another attraction that large corporations and start-ups choose intelligent apps is adaptability. It provides higher returns on investment. Hence, the sense of fluidly inherent the behavior which allows apps to adapt things to new demands, due to its sustained learning path.
- A openly intelligent app can produce results just by reading signals, motions and speech inputs. It also allows users to do.



II. INTELLIGENT APP

A straightforward report prospective developers is that intelligent apps are apps which will take intuitive decisions or provide customized recommendations/experience to their users supported insights drawn from data collected from their interaction with humans.

This brings up an entire set of latest questions: How can intelligent apps be implemented, what are the challenges, what are the first application areas of those so-called Intelligent apps.

A. What is Intelligent App?

Intelligent mobile applications are primarily AI-enabled applications that convey an flexible, rich, and individualize user experience. These apps combine the facility of predictive and prescriptive analytics, cutting-edge technologies, consumer data, and operational data with latest user-centric design and application development tools to form a high-end user experience.

B. How does it work?

Intelligent apps could evaluate leads and opportunities, prioritize them, and even apply behavioral models that might predict which opportunities were presumably to shut and supply the most important return. An app could also predict what a customer might need next or be more inclined to get. Customer service intelligent apps could offer service employees potential solutions supported knowledge of historical data.

Chatbots that interact with people trying to find assistance, and mimic the experience of a live chat agent, could free agent time up for more critical issues. The same app could also provide solution recommendations on to customers during a network or community.

TECHNOLOGY FOR IA SYSTEM

In simple words, intelligent apps are one which uses modern technologies such as AI and ML & some part of supplementing learning.

Intelligent applications (apps) have in-built AI and systematic technologies, authorize the app to act intelligently, supported the feedback it receives from its environment. ... Hence, they smoothly and autonomously learn, adapt, and discover user behaviour patterns and other apps.



Advantages of Intelligent App

An Intelligent App takes note of each single activity that a user performs. Based on the given information, it appreciate users' behaviour, choices, and likings and provides them with the recommendations as per their requirements.

Taking advantage of Machine Learning and AI, Intelligent Apps make smart decisions on what's important and relevant to users and what's not.

In other words, they need the intelligence to differentiate between relevant and irrelevant information. They eliminate irrelevant information and use only the relevant information to form smart decisions

Being able to trace users' activities and actions, Intelligent Apps are well-familiar with their needs and supply them with the foremost relevant information before they even look for it.

Thus, Intelligent Apps not only saves users' precious time but also solves variety of problems they could be facing.

Since Intelligent Apps are quite rapid in nature, they answer users within a split of a second. Also, they don't await users to require action because they're ready to act on their behalf.

Leveraging the facility of advanced AI-powered algorithms, Intelligent Apps automate variety of tasks that you simply want to perform. Even, these sorts of apps are flexible enough to form commands for other applications and services.



III. CONCLUSION

This research and review showed the rise of technologies like IoT, smart wearables (like, smart watches), augmented reality, Big Data and Cloud Technology, the demand for smart and intelligent mobile applications is expected to rise exponentially.

To meet the demand, intelligent mobile applications still adopt the advancements within the AI capabilities to remain ready for its role in delivering future-ready solutions.

Additionally, Machine learning will continue to play a major role identical to the role played by cloud technology today.

For any technology investor, it's important to believe the market dynamics in lieu of major industry upgrades. highly comprehensive intelligent apps offering the most compelling user experience.

REFERENCES

1. J. Clement, "Combined global apple app store and google play app downloads from 1st quarter 2015 to 2nd quarter 2019 (in billions)," 2019, <https://www.statista.com/statistics/604343/number-of-apple-app-store-and-google-play-app-downloads-worldwide/>
View at: Google Scholar
2. D. Reinsel, J. Gantz, and J. Rydning, Data Age 2025: The Evolution of Data to Life-Critical. Don't Focus on Big Data, Seagate, Cupertino, CA, USA, 2017.
3. J. Dehlinger and J. Dixon, "Mobile application software engineering: challenges and research directions," in Proceedings of the 2011 Workshop on Mobile Software Engineering, pp. 29–32, Santa Monica, CA, USA, October 2011.
View at: Google Scholar
4. T. Wasserman, "Software engineering issues for mobile application development," in Proceedings of the FSE/SDP Workshop on Future of Software Engineering Research, Santa Fe, NM, USA, November 2010.
View at: Google Scholar
5. B. König-Ries, "Challenges in mobile application development," It-Information Technology, vol. 51, no. 2, pp. 69–71, 2009.
View at: Publisher Site | Google Scholar
6. A. Hammershøj, A. Sapuppo, and R. Tadayoni, "Challenges for mobile application development," in Proceedings of the 2010 14th International Conference on Intelligence in Next Generation Networks, pp. 1–8, Berlin, Germany, 2010. View at: Google Scholar
7. J. Kiseleva, K. Williams, A. Hassan et al., "Predicting user satisfaction with intelligent assistants," in Proceedings of the 39th International ACM SIGIR Conference on Research and Development in Information Retrieval, pp. 45–54, ACM, 2016.
View at: Google Scholar
8. J. Kiseleva, K. Williams, J. Jiang et al., "Understanding user satisfaction with intelligent assistants," in Proceedings of the 2016 ACM on Conference on Human Information Interaction and Retrieval, pp. 121–130, ACM, Pisa, Italy, July 2016.
View at: Google Scholar
9. S. H. Han, K. J. Kim, M. H. Yun, and J. Kim, "Identifying mobile phone design features critical to user satisfaction," Human Factors and Ergonomics in Manufacturing & Service Industries, vol. 14, no. 1, pp. 15–29, 2004.
View at: Publisher Site | Google Scholar
10. A. Tarute, S. Nikou, and R. Gatautis, "Mobile application driven consumer engagement," Telematics and Informatics, vol. 34, no. 4, pp. 145–156, 2017.
View at: Publisher Site | Google Scholar



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