Mobile App Research

PART A

Mobile technology has become so advanced that it is now able to keep up with modern desktop computers. One such feat is the use of AI technology and its implementation across mobile devices. People can use voice assistants to perform tasks without touching their phones. Another example is the facial recognition. With the AI's help, the user can unlock their phones by presenting their face in front of their phone's camera. Since both implementations will become more accurate that we won't even have to touch our phones to do every single task a mobile phone can offer, security will be a major concern, especially in this age. Which is why security should also be improved along artificial intelligence by encrypting more data in our phones, and that AI or machine learning shouldn't be ahead of our security in terms of advancement.

With the direction our mobile technology is heading, more and more advance features will be implemented. Throughout the years, mobile technology allowed people to connect with the world and the internet in a matter of seconds. It offered various entertainments which made people become dependent of the technology and the features it offered. A great example of such feature is the use of mobile apps to diagnose disease or internal complication one might have. Five to ten years from now, mobile technology will have a medical app available for them to use for diagnostic purposes. It might even include an AR feature which will allow people to monitor internal organs in real-time. Although these features are convenient, problems such as not being able to accurately diagnose complications due to the lack of medical knowledge of the user and the absence of a health care professional, which could be inevitable since this is an app, could prove to be detrimental to the user. Utilizing such app will heavily impact the clinician and end-user involvement in app development.

Furthermore, with the rise of AI and the allure of socially media platforms, improving the security will become more challenging as technology pushes more boundaries. People on social media will become prone to cyber attacks and their data will become more exposed. This exposure to cyber attacks and information leaks will give more opportunities for developers to improve their data handling and user privacy. Security engineers will become more sought out than ever as the advancement of technology is already a concern for everyone. This of course also applies to phones relying on landlines. But I think they are becoming more obsolete as the mobile technology reaches greater heights.

References

[1] A. George. “Mobile Technology: AI in phones.” Lifewire. Accessed: Sep. 13, 2023. [Online]. Available: https://www.lifewire.com/mobile-technology-ai-in-phones-4584792#toc-what-is-machine-learning

[2] P. Zhao, I. Yoo, R. Lancey, Mobile applications for pain management: an app analysis for clinical usage. *BMC Medical Informatics and Decision Making*, vol. 19, no. 106, May 30, 2019. Accessed: Sep. 13, 2023. Doi: https://doi.org/10.1186/s12911-019-0827-7. [Online]. Available: https://bmcmedinformdecismak.biomedcentral.com/articles/10.1186/s12911-019-0827-7?report=reader

[3] “AI is Here to Stay. How is it Affecting Smartphone Use?,” PureTalk, Jul 31, 2023. Accessed: Sep. 13, 2023. [Online]. Available: https://www.puretalk.com/blog/ai-is-here-to-stay-how-is-it-affecting-smartphone-use#:~:text=AI%2Dpowered%20smartphones%20collect%20and,privacy%20breaches%20and%20identity%20theft.