Second Draft

Title: Exploring Ubuntu Touch OS: A Privacy-Centric Alternative to Android

In today's digital age, smartphones have seamlessly integrated into our daily routines, becoming an extension of ourselves from dawn till dusk. While smartphones offer unparalleled convenience, a persistent concern remains - the safeguarding of our personal data. Within the realm of smartphone operating systems, the duopoly of Android and iOS dominates. However, this study shifts the spotlight away from iOS, a proprietary system, and towards Android, an open-source platform largely governed by Google. A noteworthy contender in the open-source ecosystem is Ubuntu Touch OS, an OS that not only champions privacy and security but also remains comparatively lesser known.

This honours project aims to distinguish Ubuntu Touch OS from the widely embraced Android OS. The research endeavours to shed light on its implementation on smartphones and, more crucially, the creation of a private server to establish a seamless connection with smartphones running Ubuntu Touch OS. Extensive exploration of existing research reveals promising findings on the heightened security and privacy features of Ubuntu Touch OS, as well as its lightweight hardware demands.

Anticipated outcomes include a resource for researchers looking to delve into Ubuntu Touch OS implementation and a substantial contribution to the ever-evolving landscape of smartphone operating systems. This research is expected to elucidate the advantages of Ubuntu Touch OS while assessing its reliability in comparison to other operating systems. Moreover, by seamlessly integrating the desktop experience of Ubuntu with smartphones, this study hints at potential game-changing possibilities, particularly when coupled with advancements in artificial intelligence and machine learning