

Decentralized Applications: Web 3.0 in Focus

Faith Ugbeshe, Adeniyi Akanni, Olajide Adegunwa

Computer Science Department, Caleb University, Imota, Lagos.

Contact email: ugbeshefaith@gmail.com

ABSTRACT

In recent years, technology has catalyzed a paradigm shift in the way applications are designed and deployed. The Internet has added some flavors to technology and versions of the world wide web (www) came on board. Beyond just numbers in versioning, there were limitations in web 1.0 and web 2.0 in terms of interaction with content and secure decentralized content. Decentralized applications (DApps) have emerged as a cornerstone of this transformative landscape with web 3.0. Unlike traditional applications that rely on centralized servers, DApps leverage blockchain technology to operate in a trustless, transparent, and distributed manner. This paper gave a nexus appraisal on versions, identified gaps and made recommendations. In conclusion, the significance of this study lies in its contribution to the growing body of knowledge surrounding decentralized applications and the Web3 paradigm. By juxtaposing the theoretical foundations with real-world applications.

Keywords: Blockchain, DApps, privacy, web3.0, confidentiality.