Merkel Tree

Introduction

Our Term Paper is all about Merkel tree. Merkel tree is a hash based data structure in which leaf node contains the hash of the block of the data and each non leaf node contains the hash of its children. It is also known as Hash tree and commonly used in Blockchain, Git,etc. Further, We have discussed about every aspect of Merkel tree like What is Merkel tree,its properties, History, its implementation, real world application, advantages and disadvantages, etc. in our presentation.

Why this Topic ?

Being an interesting topic and its a wide range of applications in distributed system like git, cryptocurrencies, security, data verification and synchronization, entices us to work on it and go deeper in it.

What you gain ?

By this Paper,we have learned a lot. We are now somewhat aware about the technologies behind the blockchain,Git,etc and how the merkel tree eases the data verification and synchronisation. By working on this paper, we have got a good hand on experience of Latex which is just amazing.