

# Web Based Blockchain Empowered Ridesharing Application

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**Abstract:** *We define a method of Ride Sharing System consisting of a web portal from which one can easily book and share the rides or vehicle in an efficient manner. Ride sharing has seen a step rise in popularity in metropolitan cities to avoid wastage of resources, traffic jams, and congestions. This gave birth to a whole new trend which ride aggregator services went on to capitalize by providing the option of sharing cabs to its users at a lower prize.[1] To reduce ill effect of the private vehicle this technology is very necessary now a days. In this there are new services and facilities by which the effect on the environment like pollution can be reduce and to provide support to the needy at the earliest. Ride sharing is one of the emerging technology adopted all over the world, in which users with same origin-destination and time of travel share the ride.*

*Although conventional ride sharing methods have proven to be quite effective, there is always scope for improvement in certain fields. This idea can be revolutionized by implementing concept of blockchain for secure peer to peer transactions and minimize third party involvement. So, in this project there is a responsive website which users technology of frontend and backend along with database management system. Blockchain algorithm are also implied by which one can share or book ride in an efficient way..*

**Keywords:** ride, peer to peer, transactions, secure, third party, hashing

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