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Vehicle Service Automation

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Abstract: *The purpose of this paper is to be able to provide a platform for local service centers that will prove more efficient in searching for maintenance and service shops for cars and two-wheelers. Hence, we provide a Web Application that has a website for online recommendations and booking of nearby service centers. The system will allow the users to search and communicate for nearby service centers as well as book a service with them. The web application will give the best recommendation using the user's location, rating, and reviews as well as send reminders for pending car service or for updating PUC details. The system will use Firebase for database and also for hosting, at a nominal rate. Firebase ML kit helps in integrating recommendation algorithms for faster search. Firebase is a Google service available at a nominal rate. The front-end for the web -app will be done using React for better scalability..*

Keywords: Firebase, React Framework, npm-Node.Js, Stripe payment portal, Machine Learning, Recommendation System.

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