

# ABSTRACT

- In the dynamic landscape of India's automobile market, where transparency in car pricing is imperative, this project introduces a transformative approach using the Random Forest algorithm.
- The study harnesses a robust dataset comprising over 6000 elements, significantly surpassing previous endeavors. The larger dataset contributes to heightened predictive accuracy, marking a substantial advancement in comparison to existing projects.
- A pivotal aspect of our initiative lies in harnessing the power of machine learning models and the integration with web applications and the advancements in predictive modeling is at the core of our initiative.
- Web integration ensures an effortless and interactive user experience, allowing users to input diverse factors influencing car prices easily. This user-friendly interface enhances accessibility and provides clear and transparent price predictions, facilitating a rich user experience.
- This enables us to achieve unprecedented accuracy levels, providing customers with a robust tool for making well-informed decisions, we hope to curb instances of overcharging and deceptive practices.
- By mitigating scams and malpractices, our project not only contributes to the evolution of predictive modeling in India's automotive industry but also promotes transparency and fairness, fostering positive change for consumers.