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Use of Block Chain and Artificial Intelligence in Trading of Cars

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Abstract: *People have trouble trading because of the rise in demand for purchasing and selling second hand cars. Therefore, it is necessary to remove the middleman from the process and make it simpler by developing a virtual interface. There are occasions when purchasing a used car falls short of our expectations in terms of price, color, model, personalization, etc. In addition to calculating the price of vehicles being sold, this research paper presents an outline of how such an interface will allow people to satisfy the aforementioned expectations. The suggested study integrates artificial intelligence and blockchain technologies.. The dataset was used, which included variables like selling price, driving distance, mileage, etc. During data processing, redundant and missing values are eliminated. The model is trained using the supervised learning method K-Nearest Neighbours, and it predicts the vehicle's selling price with an accuracy of about 95%. Here, data security is crucial, hence the suggested solution implements Block chain to guarantee it while also maintaining data openness. Data dependability is improved because of something akin to an immutable ledger.*

Keywords: Artificial Intelligence, Machine Learning, Natural Language Processing, Block chain, Meta Mask, Nearest-Neighbours, Cosine, React JS, Flask, React-Router, Cors, Hardhat, Ethers, Solidity, Smart Contracts, Web3, Remix-IDE, Visual Studio Code, Jupyter Notebook, Python, Tailwind CSS, Chat bot, Sentiment Analysis, IPFS.