

ABSTRACT

The car damage detector using a web and mobile-based application is a system designed to quickly detect any damage that may have occurred to a vehicle after an accident. The system consists of a web application and a mobile application that work together to provide accurate and timely information about the extent of the damage. The web application serves as the main platform where users can access the system, view the results, and manage the data. The mobile application, on the other hand, is used to capture images of the damaged vehicle and send them to the web application for analysis. The system uses computer vision technology to analyze the images captured by the mobile application. This technology is capable of detecting various types of damage, including scratches, dents, and cracks. The system also uses machine learning algorithms to analyze the images and provide accurate results. These algorithms are trained using a large dataset of images of damaged vehicles, which helps them to recognize different types of damage and provide more accurate results. The system is designed to be user-friendly and easy to use. Users can simply open the mobile application, take pictures of the damaged vehicle, and send them to the web application for analysis. The web application then provides a detailed report of the damage, including the type and extent of the damage, as well as the estimated cost of repairs. The car damage detector using a web and mobile-based application is a system designed to quickly detect any damage that may have occurred to a vehicle after an accident. The system consists of a web application and a mobile application that work together to provide accurate and timely information about the extent of the damage. The web application serves as the main platform where users can access the system, view the results, and manage the data. The mobile application, on the other hand, is used to capture images of the damaged vehicle and send them to the web application for analysis. The system uses computer vision technology to analyze the images captured by the mobile application. This technology is capable of detecting various types of damage, including scratches, dents, and cracks. The system also uses machine learning algorithms to analyze the images and provide accurate results. These algorithms are trained using a large dataset of images of damaged vehicles, which helps them to recognize different types of damage and provide more accurate results. The system is designed to be user-friendly and easy to use. Users can simply open the mobile application, take pictures of the damaged vehicle, and send them to the web application for analysis. The web application then provides a detailed report of the damage, including the type and extent of the damage, as well as the estimated cost of repairs.