

Project Flow

- Users can interact with our website before approaching an insurance company for checking the claimable insurance cost
- The user interacts with the web application to get the estimated cost.
- Once the input image is uploaded by the user the AI calculates the severity of the damage and gives the claimable cost as output.

To accomplish this, we have to complete all the activities and tasks listed below

- Data Collection - data collection is the process of gathering, measuring, and analysing accurate data from a variety of relevant sources to find the severity of the damage and the claimable cost for the insured vehicle.
 - Collect the dataset or create the dataset.
- Image Pre-processing - Image processing is a method to perform some operations on an image, in order to get an enhanced image or to extract some useful information from it.
 - Import ImageDataGenerator Library.
 - Define the parameters /arguments for ImageDataGenerator class
 - Applying ImageDataGenerator on trainset and test set.
- Model Building
 - Import the model building Libraries
 - Initializing the model
 - Adding CNN Layers
 - Adding Hidden Layer
 - Adding Output Layer
 - Configure the Learning Process
 - Training and testing the model
 - Optimize the Model
 - Save the Model
- Website Development
 - Flask for web development
 - HTML and Css for website creation