Wireframe Documentation

CONCRETE COMPRESSIVE STRENGTH PREDICTION

USING

RANDOM FOREST REGRESSOR AND LINEAR REGRESSION

DOMAIN: INFRA

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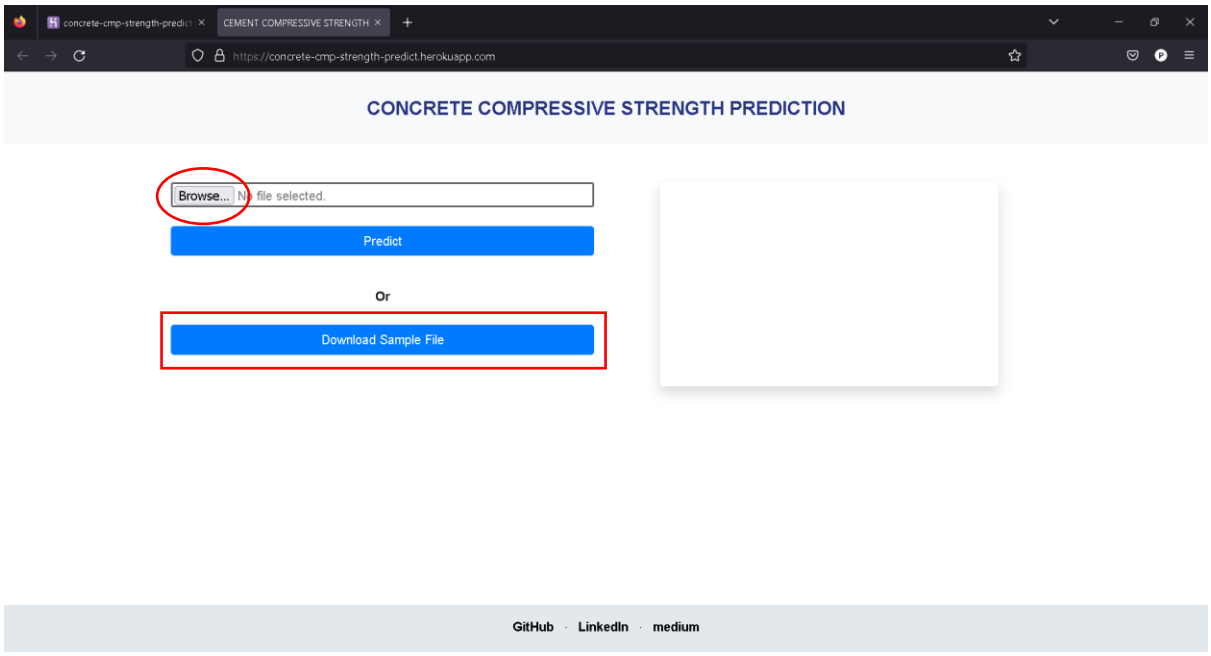
Home page / prediction page

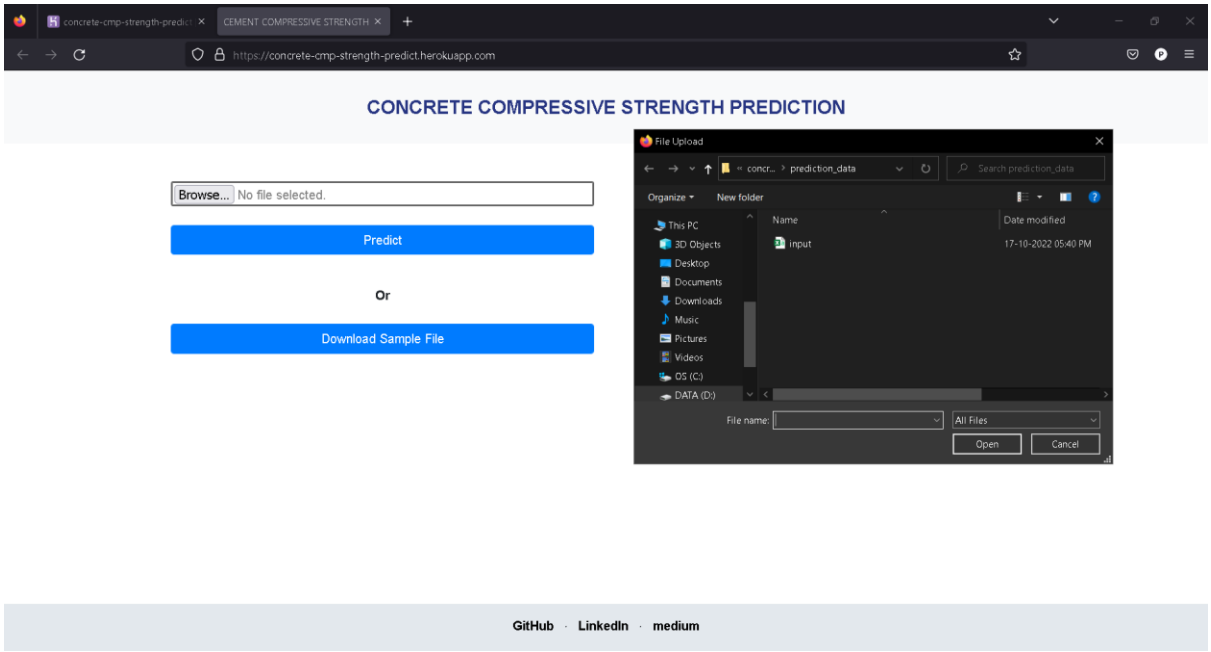
Homepage/prediction page is provided with an option for users to upload a CSV file of a specific format.

The “Download Sample File” option allows users to download a csv file of format required for prediction.

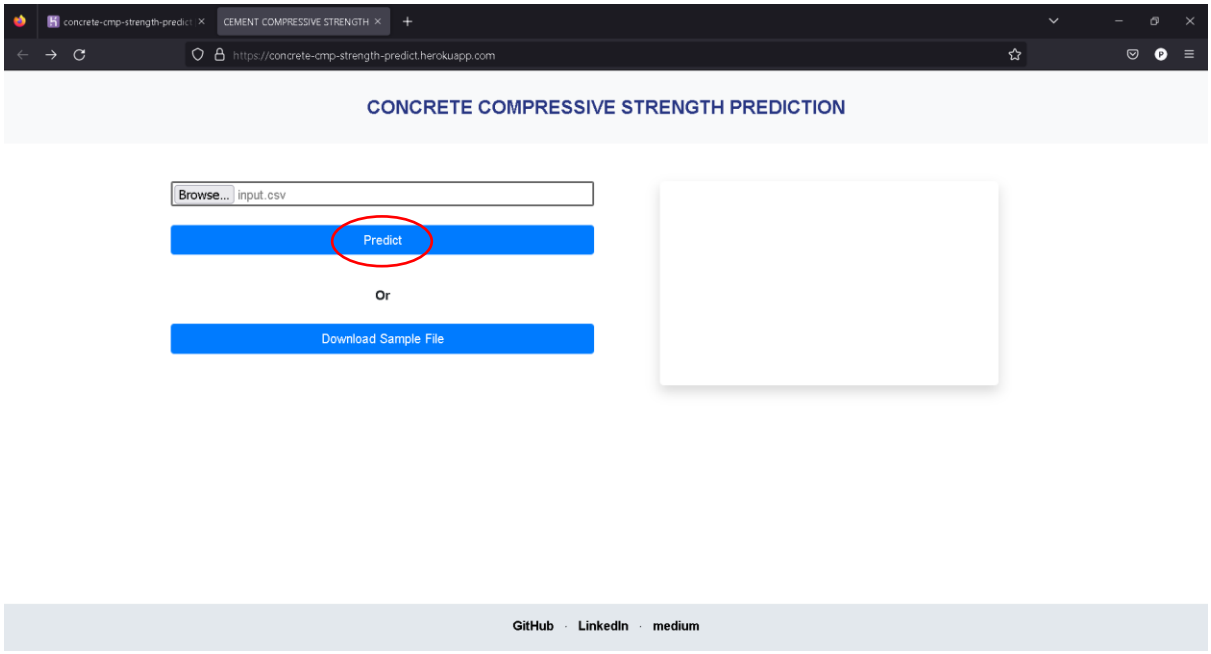
URL = https://concrete-cmp-strength-predict.herokuapp.com



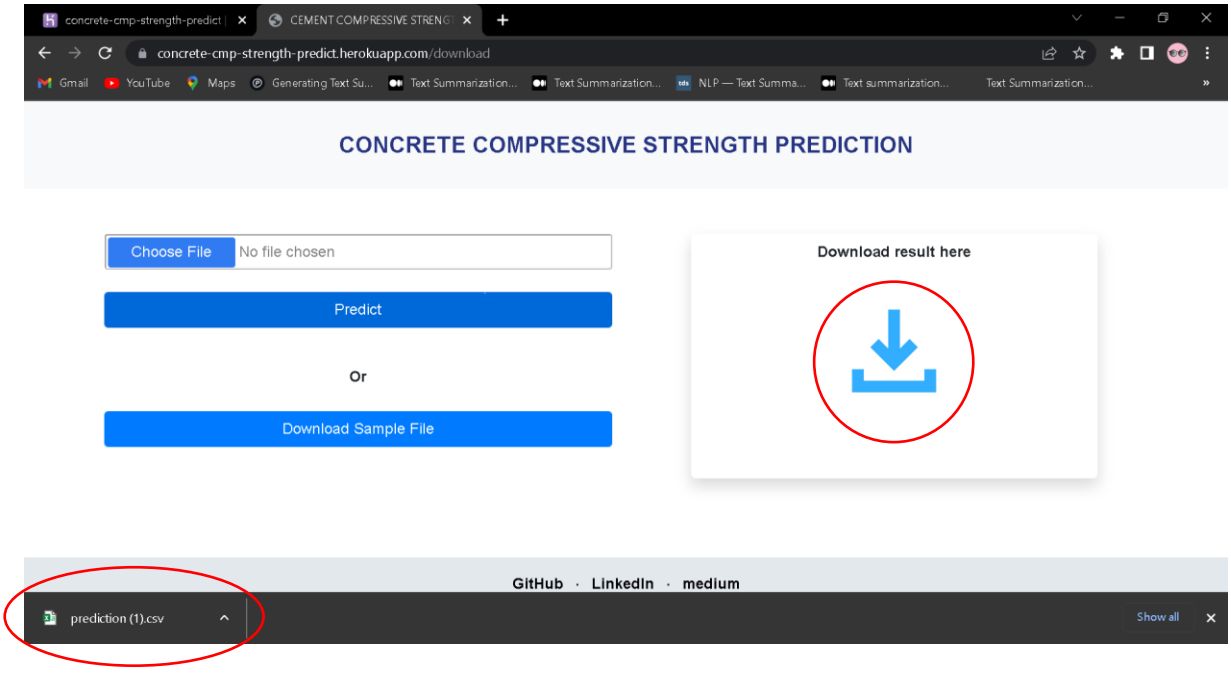
User will have to upload file with a .csv extension



Click on predict button for further processing of data



Post analysis of csv file , download option for predicted concrete compressive strength appears on the right side. Result will be downloaded in csv format on click.



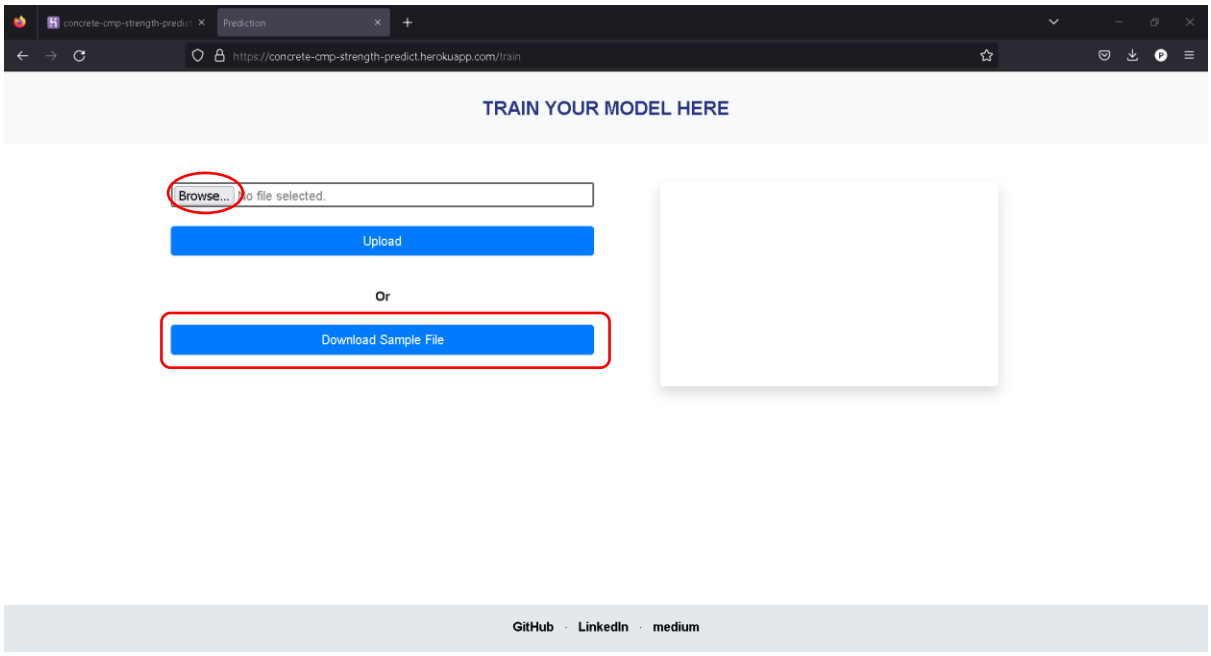
Architecture

Model training page

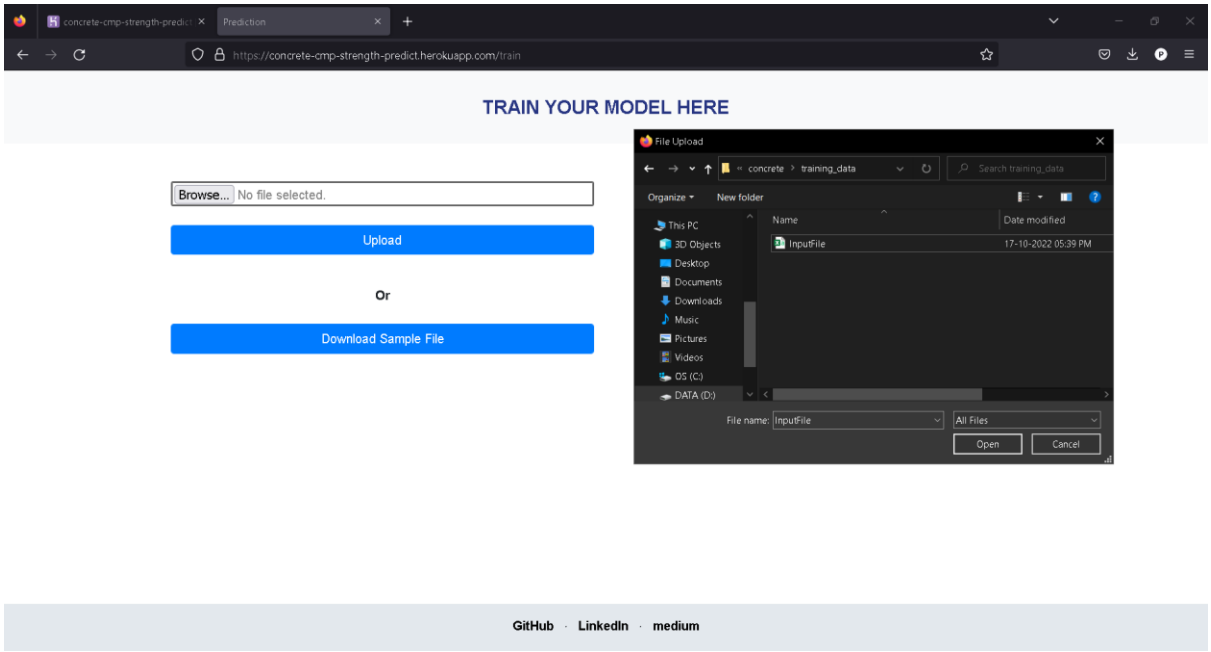
Training page is provided with an option for users to upload csv file of a specific format.

“Download sample file” option allows users to download csv file with the format required for training model.

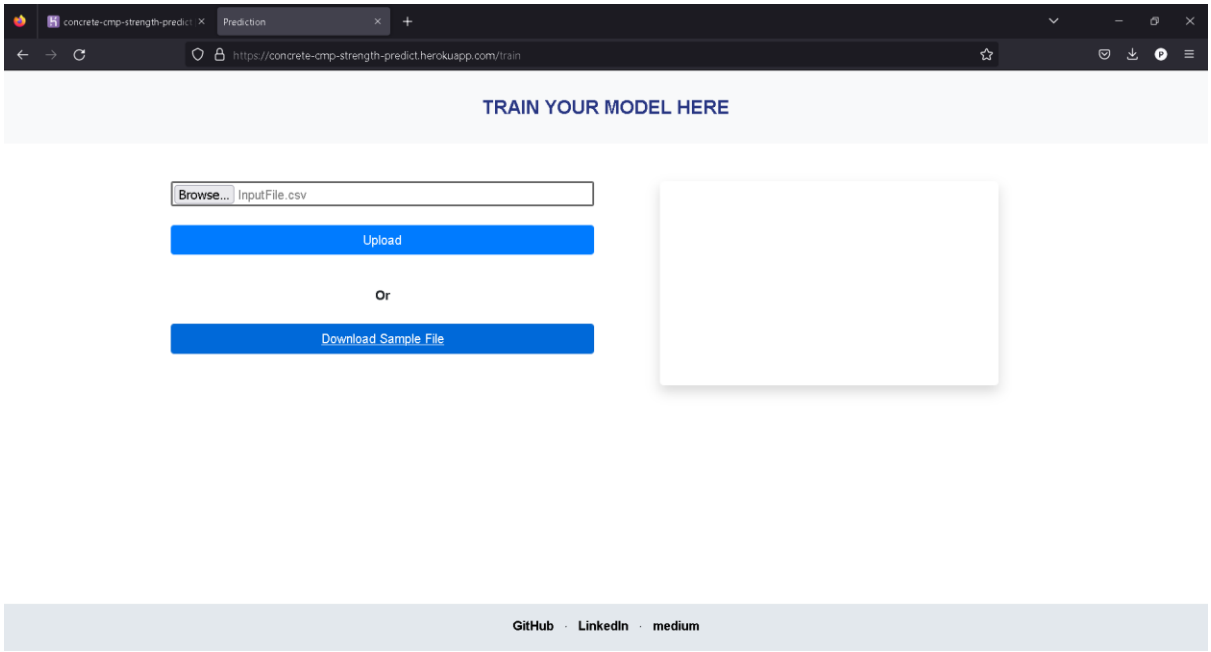
URL = https://concrete-cmp-strength-predict.herokuapp.com/train



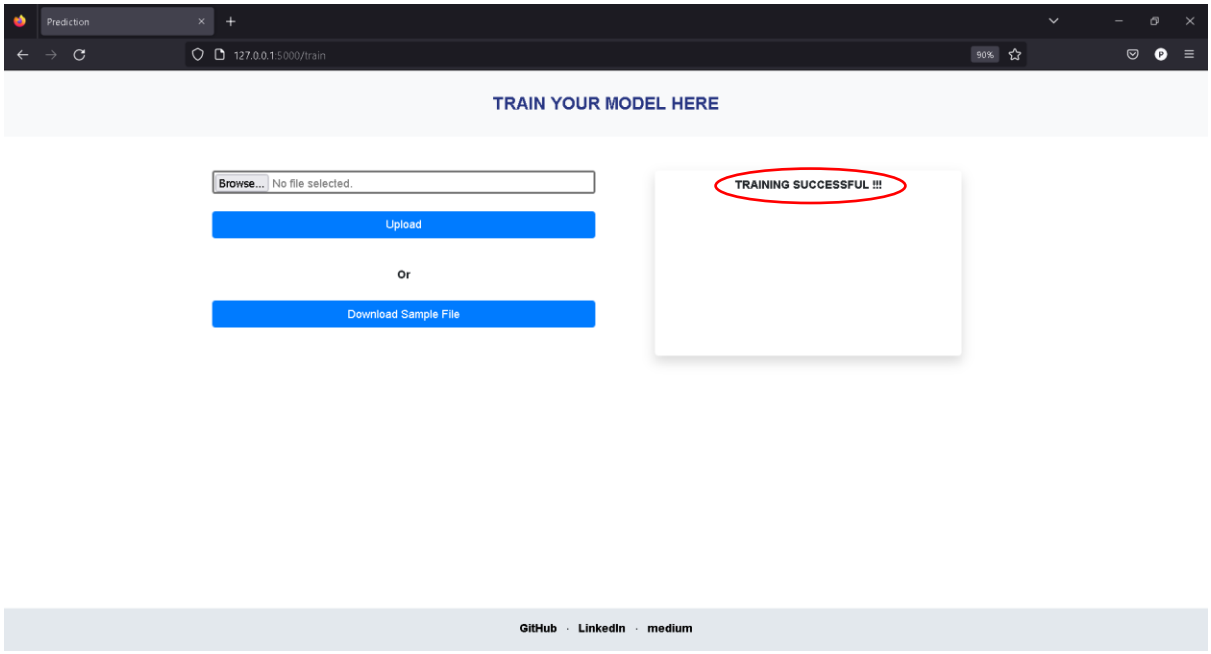
User needs to choose a file with a .csv extension.



Click on upload for training the model on desired data



After successful training of model “Training Successful!!!” will appear on the right hand side of the screen.



Architecture