



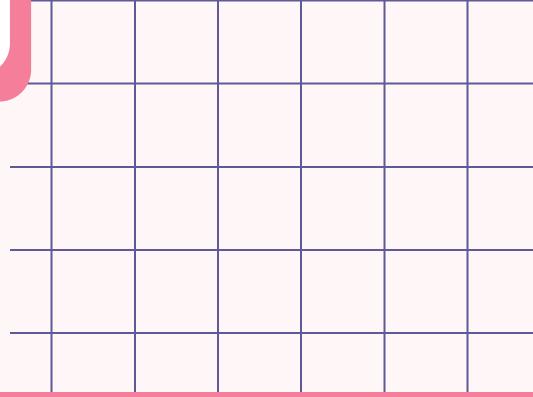
Presentation By Group 17

# Content Based Image Retrieval system



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# Bone Age Prediction using Medical Images



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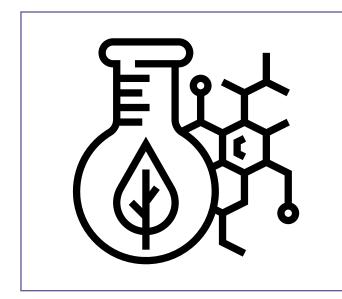
# Problem Statement



Ever since the advent of Machine Learning, every industry which has harnessed its power has grown exponentially and subsequently revolutionized the field in which it was applied. One such field is the medical industry. It has been the cornerstone of the growth in diagnosis and research. So we will be using powerful Machine Learning Techniques to analyze and process X-Ray images of Human bones and predicting the age of a person/bone age particularly children

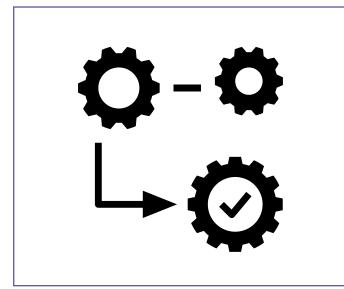
### Previously..

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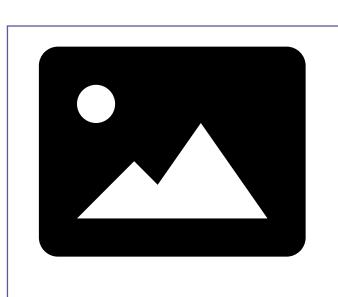
Extraction of features from X-Ray Scans

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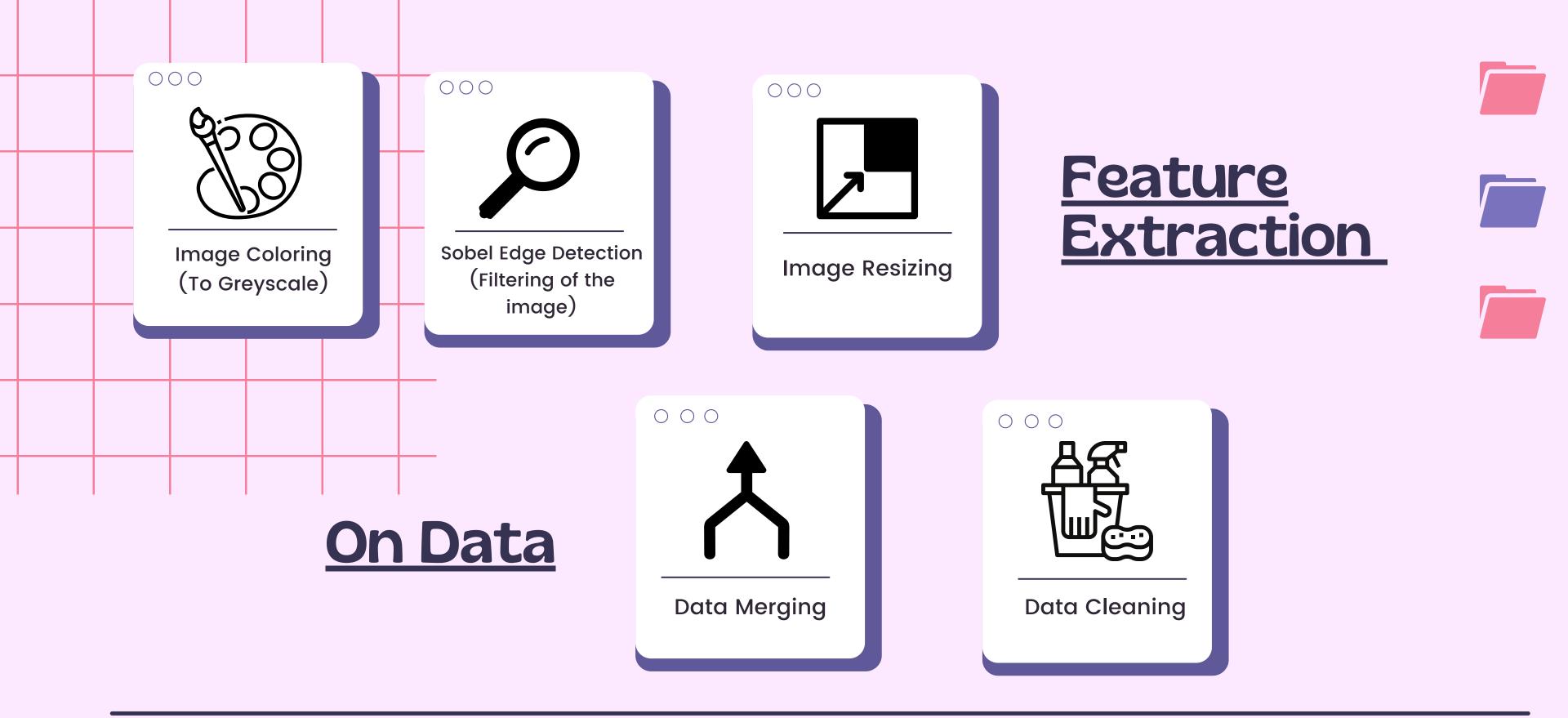


**Model Training** 

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Test and Content Retrival



### Preprocessing Techniques

#### Focus

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#### Model Building

To build various Machine Learning models from the already existing preprocessed data from the last review



#### Prediction Analysis

To predict and analysis the results of various models built from the data

#### Additions

Improvements upon the previous review

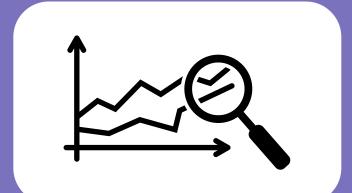
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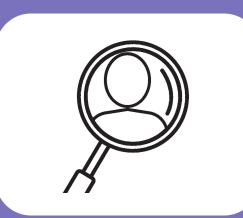
- Standardized the extracted image data
- Splitting of data into train and test datasets
- Used different models to train the data
- Prediction of the test dataset based on different models
- Analyzed accuracy across all model

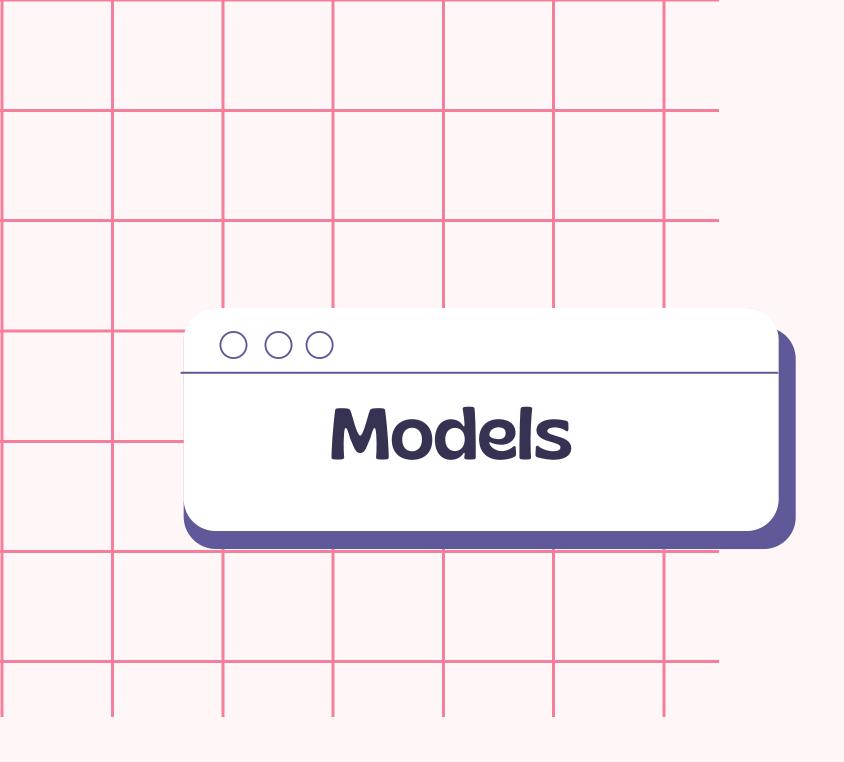














# Links to Python Notebook

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