

BVRIT HYDERABAD
College of Engineering for Women
GENDER AND AGE PREDICTION

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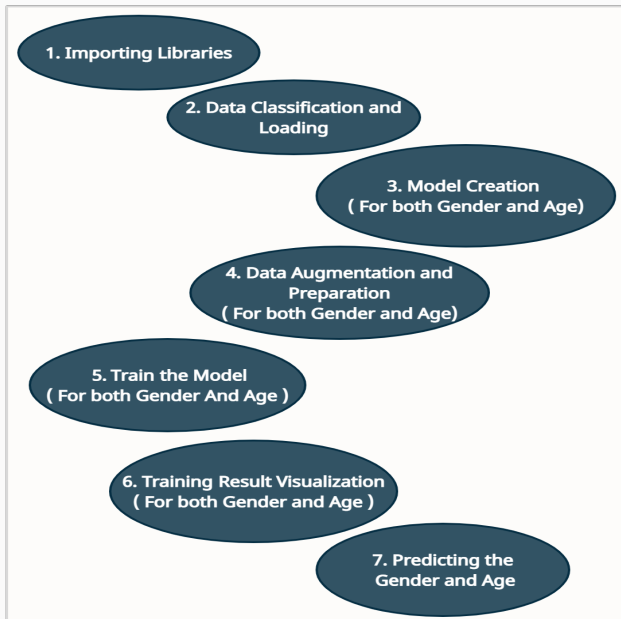
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"Gender and Age Prediction" is used to predict gender and age of a person from a picture.

APPROACH



- **Identity Verification**
- **Item Recommendation**
- **Security and Video Surveillance**

TECHNICAL STACK

Languages:

- Python 3.6

Libraries:

- Numpy
- Pandas
- Tensor Flow
- Keras
- Matplotlib

Tools:

- Google Colab
- LaTeX

- Way to approach a Machine Learning project.
- Learned how to build the CNN model.
- Different ways to improve the accuracy.
- Prediction of age and gender.

CHALLENGES FACED

- **Understanding Documentation.**
- **Dataset Preparation.**
- **Model Building.**
- **Different ways to improve the accuracy.**

- **Lines of code - 169**
- **Number of functions - 10**

GIT COMMITS



The screenshot displays a GitHub repository interface. At the top, there are navigation elements: a dropdown menu for 'main', a link to '1 branch', and a link to '0 tags'. To the right are three buttons: 'Go to file', 'Add file', and a green 'Code' button with a download icon. Below these is a table of file history. The first row is highlighted, showing a commit by 'TetalIVarshitha' created using Colaboratory, with commit hash 'b3d1416' and '2 hours ago', and a link to '5 commits'. The table lists four files, all created using Colaboratory, with their respective commit times.

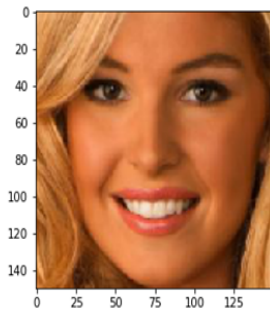
File	Created using Colaboratory	Time
MLGenderAndAge.ipynb	Created using Colaboratory	16 hours ago
MLGender_Age.ipynb	Created using Colaboratory	2 hours ago
ML_Gender&Age.ipynb	Created using Colaboratory	18 hours ago
ML_Gender_And_Age.ipynb	Created using Colaboratory	16 hours ago

- <https://towardsdatascience.com/facial-data-based-deep-learning-emotion-age-and-gender-prediction-47f2cc1edda7>
- <https://www.kaggle.com/jangedoo/utkface-new>

SAMPLE OUTPUT



Predicted Age:1-10
Predicted Gender:Female



Predicted Age:11-25
Predicted Gender:Female

DEMO