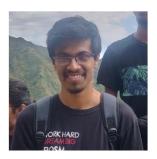
## Digital Image Processing Assignment 1

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## Original Photo:



## Code:

```
%Read picture into Matlab as a matrix
imdata = imread('Shreyas Mobile Photo.png');
%Convert color image to gray shades image
gray = rgb2gray(imdata);
%Display gray image
figure(1)
imshow(gray)
title ('gray image');
%Save gray image
imwrite(gray, 'gray.png')
%Increase brightness
inc brightness = gray + 50;
%Decrease brightness
dec brightness = gray - 50;
%Increase contrast
inc contrast = imadjust(gray, [0.3, 0.7], []);
%Decrease contrast
dec contrast = imadjust(gray,[],[0.3,0.7]);
%Show Results
figure
subplot (2,2,1);
imshow(inc brightness)
title ('Increase brightness');
subplot (2,2,2);
imshow(dec brightness)
title ('Decrease brightness');
subplot (2,2,3);
imshow(inc contrast)
title ('Increase contrast');
subplot (2,2,4);
imshow(dec contrast)
title ('Decrease contrast');
```

## Results:



Increase brightness



Increase contrast



Decrease brightness



Decrease contrast

