Basics of Image Processing 14 Jan 2026

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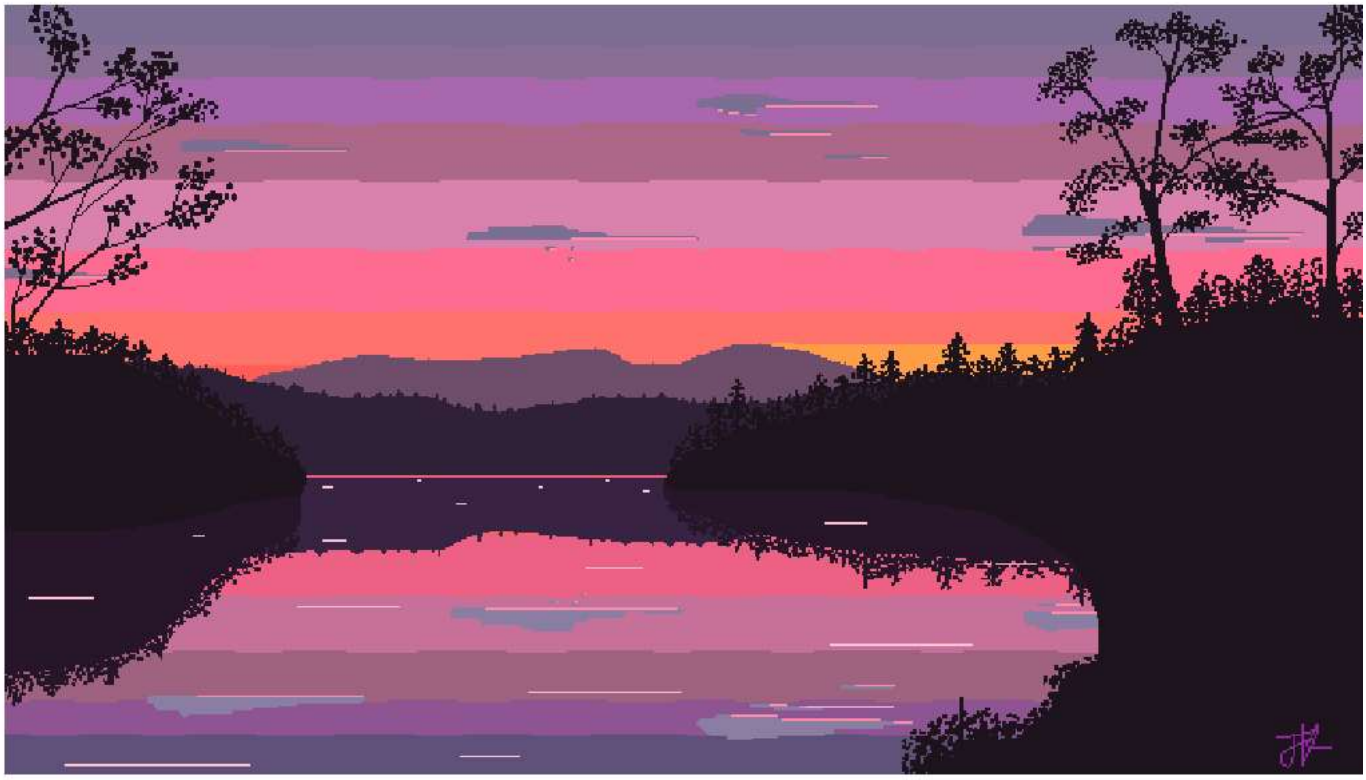
Defaults

```
clc;
clear all;
close all;
```

Image Read

```
I = imread("landscape.jpg");
imshow(I);
figure;
```



GrayScale

```
Ig = rgb2gray(I);
imshow(Ig);
```

Red components

```
Ired = I;
Ired(:,:,2) = 0;
Ired(:,:,3) = 0;
figure;
imshow(Ired);
```

Black and White

```
Ibw = Ig > 80;
figure;
imshow(Ibw);
```

Histogram Equalisation

```
Ieq = histeq(Ig);
figure;
```

```
imshow(Ieq);
```

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