



Data Collection and Preprocessing Phase

Date	11 July 2024
Team ID	xxxxxxxxxx
Project Title	Detection of Autistic Spectrum Disorder: Classification
Maximum Marks	6 Marks

Preprocessing Template

The images will be preprocessed by resizing, normalizing, augmenting, denoising, adjusting contrast, detecting edges, converting color space, cropping, batch normalizing, and whitening data. These steps will enhance data quality, promote model generalization, and improve convergence during neural network training, ensuring robust and efficient performance across various computer vision tasks.

Section	Description
Data Overview	Give an overview of the data, which you're going to use in your project.
Resizing	Resize images to a specified target size.
Normalization	Normalize pixel values to a specific range.
Data Augmentation	Apply augmentation techniques such as flipping, rotation, shifting, zooming, or shearing.
Denoising	Apply denoising filters to reduce noise in the images.
Edge Detection	Apply edge detection algorithms to highlight prominent edges in the images.





Convert images from one color space to another.	
Crop images to focus on the regions containing objects of interest.	
Apply batch normalization to the input of each layer in the neural network.	
Data Preprocessing Code Screenshots	
Code to load the dataset into the preferred environment (e.g., Python, R).	
Give the code snippet as an image (copy and paste the picture in this block).	
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