Data Collection and Preprocessing Phase

Date	10 December 2024
Team ID	739876
Project Title	Alzheimer Disease Prediction
Maximum Marks	6 Marks

Preprocessing Template

The images will be preprocessed by resizing, normalizing, augmenting. 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	1. The dataset includes brain MRI images. 2. It contains many records, with images in JPG format.
Resizing	Resize brain MRI images to a standard resolution to ensure uniform input size.
Normalization	Normalize pixel values of MRI images to a range between 0 and 1 for consistency.
Data Augmentation	Apply augmentation techniques like random flipping, rotation, and zooming to increase data variability and prevent overfitting.

Data Preprocessing Code Screenshots

Loading Data	
Resizing, Normalization and Data Augmentation	