**Neural Network ICP-6**

Github link:<https://github.com/sailikhit0920/Neural-Network-ICP6/>

Video link: <https://drive.google.com/drive/folders/1wDYUQzzLV3AzBNZrDt-ZPcmsWYOLNKzN>

Explanation:

Importing the necessary libraries:

A screenshot of a computer program

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1. Setting up the autoencoder architecture:

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Building the Autoencoder Model and Compiling the Model and loading and preprocessing the Dataset:

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Training the Autoencoder:

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Reconstructing the Images and Visualizing the original and reconstructed Images:

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Output:A screenshot of a computer

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Denoisening autoencoder:

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A screen shot of a computer program

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A screen shot of a computer program

Description automatically generated

Output:

A screenshot of a computer

Description automatically generated

Plotting loss and accuracy:

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