# Installation

1. Clone the Repository:  
 git clone https<https://github.com/Ramdileep04/Enhanced-Intrusion-Detection-in-Imbalanced-Network-Traffic-Using-Deep-Learning-Techniques>

2. Install Dependencies:  
 pip install -r requirements.txt  
  
3. Set up the Dataset:  
 - Download the CICIDS 2017 dataset from [**https://drive.google.com/file/d/1CtTG6BqyFP-jFtKXR\_aXYi3dmY91uI5v/view?usp=sharing**](https://drive.google.com/file/d/1CtTG6BqyFP-jFtKXR_aXYi3dmY91uI5v/view?usp=sharing)

- Place the dataset in the /data directory of the project.  
  
4. Run the Colab Notebook:  
 - Start the Colab Notebook:  
 Colab notebook  
 - Open merge.ipynb , DSSTE.ipynb, Preprocess.iypnb to begin the analysis.