

## **Preface**

There are various online musical platforms that give access to musical tracks to the users. A large number of musical tracks are added on the daily basis to various platforms. There are various genres under which the musical tracks can fall under. Such recommendation systems to have user-friendly use of such online platforms and applications the system must be able to classify the musical tracks as per their genres or as per their users's choice. Various applications make use of such recommendation systems like Spotify, jio savaan, YouTube Music, Goggle play Music and more. My study focuses on how these musical tracks can be classified as per the music genre basis on what kind of audio data is to be classified. My study has focused on both the CSV audio data and the original audio data file classification techniques. Both Machine Learning algorithms and Deep learning techniques have been studied and their performances have been compared. The study focuses on which technique is better to perform music audio classification and what are the vital features of the audio file can be used for classification.