Chapter 1
Introduction

1.1 Introduction

Music composition is a profoundly artistic pursuit, where the harmonious interplay of musical elements such as notes, rests, and their intricate temporal relationships come together to craft captivating melodies. It is an ancient form of human expression, transcending cultural boundaries, and evoking emotions that words alone cannot capture. In this project, we embark on a creative journey into the realm of music composition, wielding the power of deep learning techniques, particularly Recurrent Neural Networks with Long Short-Term Memory (RNN-LSTM) architecture. Our primary objective is to harness the potential of these advanced algorithms to generate music compositions, drawing inspiration from a rich dataset of folk melodies.

Folk music, with its roots deeply embedded in the collective heritage of diverse cultures, offers a remarkable tapestry of melodies and rhythms. Its distinct patterns and unique structural elements have been cherished and passed down through generations. By delving into the realm of folk melodies, our endeavour is to not only appreciate the cultural significance of this musical genre but also to contribute to its evolution. Our ultimate goal is to develop a sophisticated system, driven by artificial intelligence, which possesses the capability to autonomously compose melodies that bear a striking resemblance to the structural nuances found in folk music.