

The transformation of sheet music into a sound is a very straightforward task, in which we only have to follow certain instructions, in our case notes and their detailed descriptions. The inverse process is much more complicated. For that, the song's harmony is an essential basis. Improvisations, solos, or song melodies are based on it. Automatic Chord Recognition is one of the most challenging tasks in Music Information Retrieval that has been actively researched during the last few decades. State-of-the-art algorithms work with deep learning. These algorithms inspired us. Therefore, we are also exploring deep learning possibilities and how they work with various preprocessing methods together. We are also presenting our user-friendly web application that will visualize the chord sequence of an uploaded audio file, its key, and BPM value. The application also provides a more stable algorithm for unusual audios. However, this model is much less accurate for typical songs than the one based on deep learning.