

# **Conversational AI: Speech Processing and Synthesis**

## **(UCS749)**



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## Summary

The paper "Speech Command Recognition with Convolutional Neural Networks" explores how convolutional neural networks (CNNs) can be used for speech command recognition. It introduces a dataset of spoken words for voice-controlled interfaces and demonstrates how CNNs achieve high accuracy in classifying simple voice commands. The work lays a foundation for voice-activated systems.

## Assets Link -

[https://drive.google.com/drive/folders/1PzUPunj\\_nwoklciqrf4W3FuzDa4gtgcA?usp=sharing](https://drive.google.com/drive/folders/1PzUPunj_nwoklciqrf4W3FuzDa4gtgcA?usp=sharing)