

BUILDING CONVERSATIONAL AI APPLICATIONS (BCAA)

Course Code: 847011

Build and deploy a conversational AI pipeline including transcription, NLP, and speech.

You'll explore automatic speech recognition (ASR) and text-to-speech (TTS) models and their customization in detail with the NVIDIA NeMo framework and learn how to deploy the models with Riva. Finally, you'll explore the production-level deployment performance and scaling considerations of Riva services with Helm charts and Kubernetes clusters.

What You'll Learn

- How to customize and deploy ASR and TTS models on Riva.
- How to build and deploy an end-to-end conversational AI pipeline, including ASR, NLP, and TTS models, on Riva.
- How to deploy a production-level conversational AI application with a Helm chart for scaling in Kubernetes clusters.

Prerequisites

- Basic Python programming experience
- Fundamental understanding of a deep learning framework, such as TensorFlow, PyTorch, or Keras

Basic understanding of neural networks

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