Building Conversational AI Applications Training

Course Outline

Pre-requisites

Basic knowledge of Python language

Some labs will be conducted using Google Colab notebooks, so participants should ensure they have unrestricted access to open Colab on their desktops.

Course Syllabus

Introduction to Conversational AI

Explore the conversational AI landscape and gain a deeper understanding of the key components of ASR and NLP pipelines

- Work through model inference example with speech recognition, Named Entity Recognition and conversational AI model

- Deploy ASR and NER models

- Launch an application with ASR and NER

Model Customization

Explore the conversational AI landscape and gain a deeper understanding of the key components of NLP pipelines

- Work through a model inference example with speech recognition

- Deploy NER model

- Launch a contact application with NER

Inference and Deployment Challenges

Explore the conversational AI landscape and gain a deeper understanding of the key components of ASR and NLP pipelines

- Work through a model inference example with speech recognition

- Deploy ASR and NER models as a web application

- Launch a contact application with ASR and NER

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Conclusion

- Review key objectives and answer questions.

- Learn how to set up your own AI application development environment