

Chatbots and Conversational UI Development



Description

Build chatbots and conversational user interfaces with leading tools such as Chatfuel, Microsoft Bot Framework, Twilio, and deploying them on channels like Facebook Messenger.

Key Features

- Understand the different use cases of Conversational UIs with this project-based guide
- Build feature-rich Chatbots and deploy them

What You Will Learn

- Design the flow of conversation between the user and the chatbot
- Create Task model chatbots for implementing tasks such as ordering food
- Get new toolkits and services in the chatbot ecosystem
- Integrate third-party information APIs to build interesting chatbots
- Find out how to deploy chatbots on messaging platforms
- Build a chatbot using MS Bot Framework
- See how to tweet using twitter API

Labs

1. Build a Chatbot using Python/Flask
2. Getting Started With Chatfuel
3. Let's Talk Weather
4. Build Chatbot using NLTK & Keras
5. Let's Catch a Train
6. Restaurant Search
7. The News Bot

About

Conversation as an interface is the best way for machines to interact with us using the universally accepted human tool that is language. Chatbots and voice user interfaces are two flavors of conversational UIs. Chatbots are real-time, data-driven answer engines that talk in natural language and are context-aware. Voice user interfaces are driven by voice and can understand and respond to users using speech. This course covers both types of conversational UIs by leveraging APIs from multiple platforms. We'll take a project-based approach to understand how these UIs are built and the best use cases for deploying them.

We'll start by building a simple messaging bot from the Facebook Messenger API to understand the basics of bot building. Then we move on to creating a Task model that can perform complex tasks such as ordering and planning events with Microsoft Bot framework.