

Building Chatbots in Python Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The Building Chatbots in Python training by Multisoft Systems is a hands-on, project-driven course designed to equip participants with the skills to create intelligent and interactive chatbots for real-world applications. Whether you are a developer, data analyst, or AI enthusiast, this course introduces you to the fundamentals of Natural Language Processing (NLP), chatbot frameworks, and Python libraries such as NLTK, spaCy, and ChatterBot.

Module 1: Introduction to ChatBots

Module 2: Overview of Conversational Software

Module 3: Building Your First Basic ChatBot

- ✓ Setting Up Your ChatBot to Receive Text and Respond to Users
- ✓ Adding the Basic Elements of Personality
- ✓ Teaching Your ChatBot to Answer Basic Questions
- ✓ Adding Variety to Your ChatBot's Responses
- ✓ Making Your ChatBot Ask Questions
- ✓ Building Rule-Based Systems for Parsing Text

Module 4: Using Machine Learning to Turn Natural Language into Structured Data for Your ChatBot

- ✓ Overview of SpaCy, Scikit-learn, and Rasa NLU
- ✓ Installing and Configuring SpaCy, Scikit-learn, and Rasa NLU
- ✓ Intents and Entities and their Classifications
- ✓ Natural Language Processing Fundamentals Theory Refresher
- ✓ Building Models from Real-World Sentences Using the ATIS Dataset

Module 5: Building Your Virtual Assistant ChatBot

- ✓ Overview of a Virtual Assistant
- ✓ Working with SQL in Python
- ✓ Teaching Your ChatBot to Access Data from a Database
- ✓ Writing Queries from Parameters
- ✓ Building a Database from Natural Language
- ✓ Implementing Custom Virtual Assistant Features on Your ChatBot
 - Answering Specific Queries through Database Access

- Refining Search, Performing Basic Negation, and Filtering Data

Module 6: Making Your ChatBot Stateful: Keeping Track of States of Interaction for Better ChatBot Dialogs

- ✓ Performing Basic Actions
- ✓ Asking Contextual Questions and Queuing Answers
- ✓ Dealing with Rejection

Module 7: Testing and Deploying Your ChatBot

Module 8: Troubleshooting

Module 9: Summary and Conclusion