

# RASA

## Instructors:

### Khushali Shah:

A data scientist having rich experience working with MNCs and start-ups in the field of data science and machine learning. She has expertise in Chatbot development for various domains & been developing professionally for 6+ years with diverse job history. She also had positions in software module development, web app development, functional designs, requirement gathering, client interaction, and server setup/admin & can help everywhere in the stack; she loves wearing multiple hats to an extent. She also believes in enhancing her skills by training and learning new things day by day.

## Curriculum:

### Introduction

- What is Chatbot? Preview
- Why Chatbot?
- What is Rasa? Preview
- Why Rasa? Preview

### Create environment and installation

- Create a virtual environment using conda
- Installation of Rasa in Windows

### RASA NLU (Natural Language Understanding)

- Introduction to Rasa NLU - Intents and Entities
- Creating Intents & Entities Examples: Training Data

- Rasa NLU file structure
- Defining NLU pipeline in config file
- Install RASA-x
- Train our first Rasa NLU model
- Rasa NLU entity synonyms & lookup tables

### **Custom components - RASA NLU**

- Introduction to custom components in RASA NLU
- Introduction of transfer learning and pre-trained word embeddings
- Custom gensim embeddings in RASA

### **Introduction to RASA core**

- RASA core-stories Preview
- Custom action defined
- RASA core-stories
- Introduction of dialogue policies
- Memoization & mapping policy
- Machine learning policy
- Priority policies
- Config file to defining policies

### **Coversation with our first bot**

- Introduction use case mental health
- Create intent
- Add intent domain.yml

- Update response
- Add stories.md
- Train model Preview
- Telegram integration
- Facebook integration
- Twilio account
- Whatsapp integration
- Whatsapp integration URL

### **Course summary**

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