NLP (Natural Language Processing)

Using Python Including Chatbot development using AI

Section 1

1. Installation

2. Introduction to NLP

Section 2

3. Tokenization

4. Understanding Tokenization

5. Practice Tokenization

Section 3

6. Converting Words to their Base Forms

7. Understand - Stemming

8. Practice - Stemming

9. Understand - Lemmatization

10. Practice - Lemmatization

Section 4

11. Chunks

12. U - Chunks

13. P - Chunks

Section 5

14. Bag of Words

15. U - Bag of Words

16. P - Bag of Words

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Section 6

17. Extracting Numerical features from text

18. Different feature extraction techniques

19. Word existence feature

20. Word proportion feature

21. Word lexical diversification feature

22. TFIDF feature

Section 7

23. How to use NLP with Machine Learning models.

24. How to use NLP with Deep Learning models.

Section 8

25. Category Predictor

26. U - Category Predictor

27. P - Category Predictor

Section 9

28. Gender Identifier

29. U - Gender Identifier

30. P - Gender Identifier

Section 10

31. Sentiment Analyzer

32. U - Sentiment Analyzer

33. P - Sentiment Analyzer

Section 11

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34. Topic Modeling

35. U - Topic Modeling

36. P - Topic Modeling

Section 12

37. Building spam detector Using Machine Learning

38. Building Spam detector using Deep Learning

Part-2: chatbot development using api.ai

Section 13

39. Introduction to Chatbots

40. Script based chatbots

41. AI based chatbots

Section 14

42. Deep dive in api.ai

43. Introduction to api.ai

44. Agents in api.ai

45. Domains in api.ai

46. Intents in api.ai

47. Entities in api.ai

48. Types of Entities in api.ai

49. Contexts in api.ai

50. Build your first conversational chatbot using api.ai

Section 15

51. Integrations with api.ai

52. Integration of Facebook Messenger with api.ai

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53. Integration of Skype with api.ai

54. Conclusion

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