QUICKSTEP COMPUTER CENTER

National Accreditation Board of Education Training.
(NABET)- Quality council of India) An ISO 9001:2008

******* NLP - Natural Language Processing*******

Using Python Including Chatbot development using AI

❖ Installation

❖ Introduction to NLP

❖ Tokenization

❖ Understanding Tokenization

❖ Practice Tokenization

❖ Converting Words to their Base Forms

❖ Understand - Stemming

❖ Practice - Stemming

❖ Understand - Lemmatization

❖ Practice - Lemmatization

❖ Chunks

❖ U - Chunks

❖ P - Chunks

❖ Bag of Words

❖ U - Bag of Words

❖ P - Bag of Words

❖ Extracting Numerical features from text

❖ Different feature extraction techniques

❖ Word existence feature

❖ Word proportion feature

❖ Word lexical diversification feature

❖ TFIDF feature

❖ Category Predictor

❖ U - Category Predictor

❖ P - Category Predictor

❖ How to use NLP with Machine Learning models.

- ❖ How to use NLP with Deep Learning models.
- ❖ Gender Identifier

- ❖ U - Gender Identifier

- ❖ P - Gender Identifier
- ❖ Sentiment Analyzer

- ❖ U - Sentiment Analyzer

- ❖ P - Sentiment Analyzer
- ❖ Topic Modeling

- ❖ U - Topic Modeling

- ❖ P - Topic Modeling
- ❖ Building spam detector Using Machine Learning

- ❖ Building Spam detector using Deep Learning
- ❖ Introduction to Chatbots

- ❖ Script based chatbots

- ❖ AI based chatbots
- ❖ Deep dive in api.ai

- ❖ Introduction to api.ai

- ❖ Agents in api.ai

- ❖ Domains in api.ai

- ❖ Intents in api.ai

- ❖ Entities in api.ai

- ❖ Types of Entities in api.ai

- ❖ Contexts in api.ai

- ❖ Build your first conversational chatbot using api.ai
- ❖ Integrations with api.ai

- ❖ Integration of Facebook Messenger with api.ai
- ❖ Integration of Skype with api.ai

- ❖ Conclusion