

Accomplishments > Course Certificate

Natural Language Processing with Sequence Models



Completed by **Swaminathan Kannan**

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At the rate of 5 hours a week, it typically takes 4 weeks to complete one Course.

Grade Achieved: 100%

Swaminathan Kannan's account is verified. Coursera certifies their successful completion of [Natural Language Processing with Sequence Models](#)



Natural Language Processing with Sequence Models

DeepLearning.AI

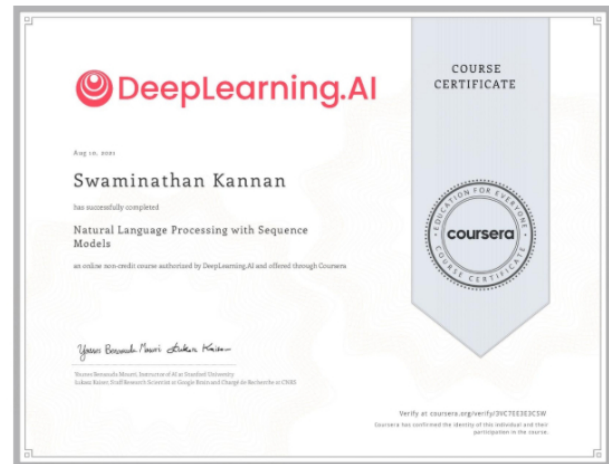
★★★★★ 4.5 (746 ratings) | 32K Students Enrolled

WHAT YOU WILL LEARN

- ✓ Create word embeddings, then train a neural network on them to perform sentiment analysis of tweets
- ✓ Generate synthetic Shakespeare text using a Gated Recurrent Unit (GRU) language model
- ✓ Train a recurrent neural network to extract important information from text, using named entity recognition (NER) and LSTMs with linear layers
- ✓ Use a Siamese network to compare questions in a text and identify duplicates: questions that are worded differently but have the same meaning

SKILLS YOU WILL GAIN

Word Embedding Sentiment with Neural Nets
Siamese Networks Natural Language Generation
Named-Entity Recognition

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