DevOpsSchool

Course curriculum · November 2026

ARTIFICIAL INTELLIGENCE · TRAINING PROGRAM

Python Deep Learning Library Training

A practical, hands-on Python Deep Learning Library Training curriculum: 61 topics. Learn live online in a small batch, as a private corporate batch, or self-paced with one year of LMS access.

LIVE ONLINE Max 8-10 hours	**CORPORATE** Private team batch, on demand	**SELF-PACED VIDEO** 1-year LMS access
BATCH SIZE Max 10 learners	**NEXT BATCHES** 1st of every month · weekends: first Saturday	**CERTIFICATE** Verifiable certificate of completion

INSIDE THIS CURRICULUM

Who should attend	Objectives, audience, prerequisites
Agenda	61 topics
Formats and fees	Live, 1:1, self-paced, corporate
Trainer and reviews	Rajesh Kumar
Enrolment	Batches, payment, contacts

WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

Course page: www.devopsschool.com/courses/ai/keras-a-python-library.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

COURSE FIT

Who this program is for

Use this page to decide whether Python Deep Learning Library Training matches your role and experience.

1

Objectives

Understand the core concepts and usage model, apply practical workflows through examples and guided tasks, and prepare for implementation, certification or team adoption.

2

Who should attend

Developers, DevOps engineers, administrators, SREs, security engineers, platform teams, release teams, technical leads and corporate teams working with this topic.

3

Before you start

Basic computer literacy and awareness of software, operations, cloud, DevOps or security workflows is helpful. Deep programming experience is not needed unless the topic requires it.

AGENDA AT A GLANCE · 61 TOPICS

Core curriculum

61 topics · Introduction of Artificial Intelligence

AGENDA · 61 TOPICS

Python Deep Learning Library Training agenda

Live online batches run for max 8-10 hours; corporate batches are planned with your team.

CORE CURRICULUM

61 topics

1. Introduction of Artificial Intelligence
2. Data Science & Python
3. Machine Learning
4. Deep Learning
5. Natural Language processing(NLP)
6. Decoding Artificial Intelligence
7. Fundamentals of Machine Learning and Deep Learning
8. Machine Learning Workflow
9. Performance Metrics
10. Basic Overview of Keras
11. Understanding the features of Keras
12. Advantages of Keras
13. Keras Limitations
14. Keras Installation and API
15. Installig Keras
16. Installation of dependencies
17. Installation of Theano
18. Installation of TensorFlow
19. Installation of Keras
20. Testing each Installation
21. Configuring Keras
22. Installation of Keras on Docker
23. Installation of Keras on Google Cloud ML
24. Installation of Keras on Amazon AWS
25. Installation of Keras on Microsoft Azure
26. Keras API
27. Basic Architecture of Keras
28. Overview of predefined neural network layers
29. Overview of predefined activation functions
30. Understanding Losses Functions
31. Understanding Metrics
32. Some Useful Operations
33. Overview of Deep Learning with ConvNets
34. Deep Convolutional Neural Network
35. Understanding Deep Convolutional Neural Network (DCNN)
36. Simple Example of DCNN

37. Recognizing CIFAR-10 images with DL
38. Concept of Generative Adversarial Networks and Wavenet
39. Overview of GAN
40. Keras adversarial GANs for forging MNIST
41. Keras adversarial GANs for forging CIFAR
42. Understanding WaveNet
43. Word Embeddings
44. Distributed Representations
45. Understanding word2vec
46. GloVe Exploring functionalities
47. Using pre-trained embeddings
48. Overview of Recurrent Neural Networks RNN
49. Basics of SimpleRNN cells
50. Understanding RNN Topologies
51. Using Gated Recurrent Unit -GRU
52. Concept of Bidirectional RNNs
53. Vanishing and exploding gradients
54. Using Long Short Term Memory -LSTM
55. Understanding Stateful RNNs
56. Additional Deep Learning Models
57. Dealing with Keras Functional API
58. Understanding Regression Networks
59. Concept of Unsupervised Learning
60. Keras Customization scenario
61. Using Generative Models

HOW YOU CAN LEARN

Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

FORMAT	DURATION	WHAT YOU GET	FEE
Live & interactive (online)	Max 8-10 hours	Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month.	**INR 34,999**
1:1 live training (online)	Max 8-10 hours, one-to-one	The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace.	**INR 99,999**
Self-paced video	1-year LMS access	This program plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate	Planned with your team	A private batch for your team, on demand, with examples mapped to your platforms.	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on tasks and assignments. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

20 years in industry	**200+** corporate trainings
10,000+ engineers mentored	**70+** organisations coached

REVIEWS

What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR TRAINING

Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All courses: www.devopsschool.com/courses/

ENROL OR RESERVE A SEAT
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More Artificial Intelligence training: www.devopsschool.com/courses/ai/