DevOpsSchool

Course curriculum · November 2026

ARTIFICIAL INTELLIGENCE · TRAINING PROGRAM

Python Deep Learning platform Training

A practical, hands-on Python Deep Learning platform Training curriculum: 75 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	75 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/pytorch-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 platform 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 · 75 TOPICS

Core curriculum

75 topics · Introduction of Artificial Intelligence

AGENDA · 75 TOPICS

Python Deep Learning platform Training agenda

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

CORE CURRICULUM

75 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. Introduction
11. Software Requirements
12. CPU Software Requirements
13. CPU Installation of PyTorch
14. PyTorch with GPU on AWS
15. PyTorch with GPU on Linux
16. PyTorch with GPU on MacOSX
17. PyTorch Fundamentasl: Matrices
18. Matrix Basics
19. Seed for Reproducibility
20. Torch to NumPy Bridge
21. NumPy to Torch Bridge
22. GPU and CPU Toggling
23. Basic Mathematical Tensor Operations
24. Summary of Matrices
25. PyTorch Fundamentals: Variables and Gradients
26. Variables
27. Gradients
28. Summary of Variables and Gradients
29. Linear Regression with PyTorch
30. Linear Regression Introduction
31. Linear Regression in PyTorch
32. Linear Regression From CPU to GPU in PyTorch
33. Summary of Linear Regression
34. Logistic Regression with PyTorch
35. Logistic Regression Introduction
36. Linear Regression Problems

37. Logistic Regression In-depth
38. Logistic Regression From CPU to GPU in PyTorch
39. Summary of Logistic Regression
40. Feedforward Neural Network with PyTorch
41. Logistic Regression Transition to Feedforward Neural Network
42. Non-linearity
43. Feedforward Neural Network in PyTorch
44. More Feedforward Neural Network Models in PyTorch
45. Feedforward Neural Network From CPU to GPU in PyTorch
46. Summary of Feedforward Neural Network
47. Convolutional Neural Network (CNN) with PyTorch
48. Feedforward Neural Network Transition to CNN
49. One Convolutional Layer, Input Depth of 1
50. One Convolutional Layer, Input Depth of 3
51. One Convolutional Layer Summary
52. Multiple Convolutional Layers Overview
53. Pooling Layers
54. Padding for Convolutional Layers
55. Output Size Calculation
56. CNN in PyTorch
57. More CNN Models in PyTorch
58. CNN Models Summary
59. Expanding Model's Capacity
60. CNN From CPU to GPU in PyTorch
61. Summary of CNN
62. Recurrent Neural Networks (RNN)
63. Introduction to RNN
64. RNN in PyTorch
65. More RNN Models in PyTorch
66. RNN From CPU to GPU in PyTorch
67. Summary of RNN
68. Long Short-Term Memory Networks (LSTM)
69. Introduction to LSTMs
70. LSTM Equations
71. LSTM in PyTorch
72. More LSTM Models in PyTorch
73. LSTM From CPU to GPU in PyTorch
74. Summary of LSTM
75. What's Next?

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
Python Deep Learning platform Training

WHATSAPP · INDIA
+91 99057 40781

WHATSAPP · USA
+1 (469) 756-6329

EMAIL
contact@DevOpsSchool.com

More Artificial Intelligence training: www.devopsschool.com/courses/ai/