DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

MLOps Foundation Training

Explain why ML needs MLOps, version code, data and experiments, and package a trained model as a containerised prediction API.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **1 day · Day 1**	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**

Foundation
1 day · This curriculum

Essential
2 days · Next step

Intermediate
3 days · Later

Advanced
5 days · Later

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	13 topics · Foundation
Hands-on labs	1 lab
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/mlops/mlops-foundation-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

What you will achieve

By the end of the MLOps course path, you will be able to:

1

Productionise ML models

Turn experiments into versioned, containerised and served models with reproducible pipelines.

2

Automate the ML lifecycle

Build CI/CD and continuous training on Kubernetes, Kubeflow and Vertex AI.

3

Operate governed ML platforms

Monitor, scale, secure and govern models, including LLM applications, in production.

WHAT THE FOUNDATION LEVEL ADDS

MLOps concepts, ML lifecycle and first served model

Hands-on: From notebook to prediction API. Turn a notebook model into a versioned project with DVC and MLflow tracking, then serve it through a FastAPI endpoint in a Docker container.

WHO SHOULD ATTEND

- Beginners and working professionals who are new to MLOps and want a solid, hands-on start.
- Engineers, analysts, testers and students preparing to use MLOps on real work.
- Leads and managers who want first-hand familiarity with MLOps.

BEFORE YOU START

- No prior MLOps experience is needed.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION

MLOps Foundation Training agenda

13 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

DAY 1 — Foundation: MLOps concepts, ML lifecycle and first served model

New at this level

1. Welcome to MLOps fundamentals: why and when we need MLOps and data scientists' pain points
2. The concept of DevOps in ML: CI, CD and continuous training, and what differs for data and models
3. Machine learning lifecycle: problem framing, data, features, training, evaluation, deployment, monitoring and retraining
4. ML basics for engineers: features and labels, training versus inference, overfitting, precision, recall and RMSE
5. Roles and hand-offs: data scientist, data engineer, ML engineer and platform engineer responsibilities
6. Python project setup for ML: uv or conda environments, pinned dependencies, scripts over notebooks, project layout
7. Git for ML projects: what to commit, ignoring data and model files, clean notebook diffs with nbstripout
8. Data versioning with DVC: dvc init, dvc add, remote storage and reproducing a dataset version
9. Experiment tracking with MLflow: tracking server, logging parameters, metrics and artifacts, comparing runs
10. First model: scikit-learn Pipeline, train and test split, cross-validation and saving the model artifact
11. Serving basics: a FastAPI /predict endpoint with a Pydantic request schema
12. Packaging the model service: Dockerfile, image build and running the prediction API locally
13. Why models decay: data drift, concept drift and feedback loops in production

PRACTICE

Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

From notebook to prediction API

Turn a notebook model into a versioned project with DVC and MLflow tracking, then serve it through a FastAPI endpoint in a Docker container.

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	All four MLOps levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	1 day for this level	A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative).	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. 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 MLOPS 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 levels of this course: www.devopsschool.com/courses/mlops/

ENROL OR RESERVE A SEAT
MLOps Foundation Training

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Next step after this level: MLOps Essential Training - Run ML workloads on Google Kubernetes Engine, build Kubeflow pipelines for training and serving, and automate them with Cloud Build CI/CD.