DevOpsSchool

Course curriculum · November 2026

LEVEL 02 OF 04 · ESSENTIAL

Azure Openai Essential Training

Deploy models and call them from Python with keys or Entra ID, build chat, embedding, image and speech features, and tune content filters.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **2 days · Days 1-2**	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	Essential	Intermediate	Advanced
1 day · Included	2 days · This curriculum	3 days · Next step	5 days · Later

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	25 topics · Foundation to Essential
Hands-on labs	2 labs
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/openai/azure-openai-essential-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 Azure Openai course path, you will be able to:

1

Use Azure OpenAI responsibly

Choose models, write effective prompts and apply content filtering and responsible AI policies.

2

Build generative AI apps

Develop chat, RAG, embedding, image, speech and agent features with Azure OpenAI APIs.

3

Run AI securely at scale

Secure, monitor, govern and scale Azure OpenAI with private networking and an AI gateway.

WHAT THE ESSENTIAL LEVEL ADDS

Deployments, SDKs, chat, embeddings and filters

Hands-on: Build a grounded chat assistant. Write a Python app with the AzureOpenAI client using Entra ID, add function calling and embedding search over a small document set, and apply a custom content filter.

WHO SHOULD ATTEND

- Learners who know the basics of Azure Openai and want to use it confidently every day.
- Professionals taking over Azure Openai work on a live project.
- Teams agreeing on a common way of working with Azure Openai.

BEFORE YOU START

- The Foundation level, or equivalent hands-on experience.
- You can already: Explain generative AI and Azure OpenAI models, deploy a model in the playground, and write safe, effective prompts within responsible AI rules.
- 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 TO ESSENTIAL

Azure Openai Essential Training agenda

25 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: Generative AI concepts, models, safety and prompting

Included from Foundation

1. What is generative AI: large language models, tokens, context windows and foundation models
2. What is Azure OpenAI: describing the service, its relation to OpenAI and how to use it via portal, SDKs and REST
3. Models: GPT-4o, GPT-4.1 and GPT-5 families, o-series reasoning, embeddings, image models and legacy GPT-3, GPT-35-Turbo, DALL-E
4. Capabilities: OpenAI natural language, code generation and image-generation capabilities with examples
5. Quotas and limits: tokens and requests per minute, regional quotas and model availability by region
6. Pricing: input and output tokens, standard versus provisioned throughput and batch processing
7. Quick start: create a resource, deploy a chat model and test it in the Azure AI Foundry playground
8. Access and responsible AI policies: limited access, code of conduct, transparency note, data, privacy and security
9. Abuse monitoring and content filtering: harm categories, severity levels and Prompt Shields
10. Embeddings concept: vectors, similarity and search, clustering and recommendation use cases
11. Prompt engineering: intro and techniques, zero-shot, few-shot, step-by-step reasoning, delimiters and output formats
12. System message design: role, scope, tone, safety instructions and grounding rules
13. Red teaming large language models: planning, harm categories and tools such as PyRIT
14. Knowledge check and summary: reviewing service concepts, safety controls and prompting skills

DAY 2 — Essential: Deployments, SDKs, chat, embeddings and filters

New at this level

15. Resource creation and model deployment: portal and Azure CLI, Global Standard, Data Zone, Standard and Provisioned types
16. Chat completions: GPT-35-Turbo and GPT-4 class models, messages and roles, temperature, top_p and max tokens
17. API styles: legacy Completions, Chat Completions and the Responses API with api-version choices
18. OpenAI vs Azure OpenAI in Python: AzureOpenAI client, endpoints, deployments, API keys and Entra ID tokens
19. Configure content filters: custom filter configurations, severity thresholds, blocklists and annotations
20. Work with code: code generation, explanation and refactoring with GPT models, successors to the retired Codex models
21. Function calling and structured outputs: tool definitions, JSON schema responses and parsing
22. Embeddings tutorial: text-embedding-3 models, chunking text and cosine similarity search
23. Speech to speech chat tutorial: Azure AI Speech with a GPT model and the gpt-4o realtime API
24. Image generation: DALL-E 3 and gpt-image-1 deployments, sizes, quality and edits
25. Robust calls: streaming responses, token counting with tiktoken and retries for 429 errors

PRACTICE

Hands-on labs

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

FOUNDATION

Deploy a model and shape it

Create an Azure OpenAI resource, deploy a chat model, and iterate on a system message and few-shot prompt in the playground while observing content filter results.

ESSENTIAL

Build a grounded chat assistant

Write a Python app with the AzureOpenAI client using Entra ID, add function calling and embedding search over a small document set, and apply a custom content filter.

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 Azure Openai levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	2 days 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 AZURE OPENAI 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/openai/

ENROL OR RESERVE A SEAT
Azure Openai Essential Training

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Next step after this level: Azure Openai Intermediate Training - Build RAG and agent solutions, fine-tune models, and run Azure OpenAI securely with identity, private networking, monitoring, quota and cost control.