



MASTERCLASS • ADVANCED • DEEP EXPERTISE, SMALL ROOMS, PRINCIPAL INSTRUCTORS

RAG Systems in Production

Retrieval-augmented generation that survives contact with real documents: ingestion, chunking, hybrid search, reranking, evaluation.

 4 weeks

 Live online, 2 sessions/week + labs

 4.8 · 240+ trained

PROGRAMME OVERVIEW

About this programme

Most RAG systems die in the gap between demo and production. This masterclass closes it: robust ingestion for messy enterprise documents, chunking and embedding strategy, hybrid retrieval with reranking, grounded generation, and the evaluation loops that keep answer quality honest.

OBJECTIVES

What this programme sets out to do

- ✓ Build a working command of ingestion & indexing
- ✓ Go deep on retrieval quality
- ✓ Develop practical skill in grounded generation
- ✓ Master evaluation & operations

AT A GLANCE

Key facts

CATEGORY Masterclasses	LEVEL Advanced
DURATION 4 weeks · ≈ 24 contact hours	FORMAT Live online, 2 sessions/week + labs
COHORT SIZE Public & private cohorts	RATING 4.8 / 5 (240+ trained)
LANGUAGES 12+ (English, Hindi, Kannada ...)	CERTIFICATE Verifiable digital credential



WHO IT'S DESIGNED & DELIVERED FOR

Cohorts

Engineers and architects building knowledge systems.

Engineers

architects building knowledge systems

Pre-requisites

- Prior hands-on experience in the relevant technical area.
- A laptop for the hands-on segments.
- One or two real use-cases from your work to apply the learning to.

Tentative duration & effort

4 weeks

- ≈ 24 total contact hours
- Live online, 2 sessions/week + labs
- Pacing adapts to your cohort; private cohorts can be re-scoped

WHAT YOU TAKE AWAY

Tangible outputs

- A verifiable, shareable digital certificate
- A role-specific prompt / playbook library
- Qube AI copilot access during the programme
- Session recordings and all working materials
- Entry to the Qubicon alumni community & office hours

MODULE - BY - MODULE

What we cover

MODULE	KEY TOPICS COVERED	HRS*
01 Ingestion & indexing	Document parsing at scale · Chunking strategies · Embedding model selection · Metadata design	6
02 Retrieval quality	Hybrid BM25+vector · Reranking · Query rewriting · Lab: retrieval bake-off	6
03 Grounded generation	Citation discipline · Answer synthesis patterns · Refusal design · Lab: grounded answerer	6
04 Evaluation & operations	Faithfulness metrics · Canary corpora · Freshness pipelines · Capstone review	6

*Indicative contact hours per module; tuned to your cohort's pace and any private-cohort customisation.

TOOLS & TECHNOLOGIES

What you'll work with

pgvector

Elasticsearch

Claude API

Cohere Rerank

RAGAS

PROGRAMME OUTCOMES

What you'll be able to do

- ✓ Design ingestion pipelines for messy real-world corpora
- ✓ Choose chunking/embedding strategies from evidence, not folklore
- ✓ Implement hybrid search + reranking that measurably beats naive RAG
- ✓ Stand up answer-quality evaluation with citation faithfulness checks

Delivery & certification

- Live, expert-led sessions with hands-on labs and mentoring
- The Qube AI copilot supports every learner between sessions
- Delivered in 12+ languages with domain-accurate translation
- Verifiable digital certificate — verify any code at qubiconai.com/verify

Investment

\$200_{/hr} · **₹7,999**_{/hr}

- **Individuals:** enrol & pay online (cards / UPI)
- **Enterprises:** quote → PO → GST invoice → net-30, zero upfront
- Private cohorts, on-site delivery & volume rates on request



For corporates & institutions

- Private cohorts engineered around your stack, data and use-cases
- Curriculum built by principal instructors with the Qube engine
- Capability analytics: engagement, skill-lift and applied-project ROI
- Procurement-friendly: quote → PO → GST invoice → net-30, zero upfront
- MSA, data-security review and on-prem / VPC delivery supported

For individual learners

- Enrol and pay online — cards, UPI or Razorpay
- Live, expert-led sessions (never pre-recorded)
- A verifiable certificate you can share with employers
- The Qube AI copilot supporting you between sessions
- Recordings, materials and an active alumni community

WHY QUBICON.AI

50K+

PROFESSIONALS TRAINED

650+

ENTERPRISE CLIENTS

50+

COUNTRIES SERVED

98%

SATISFACTION SCORE

- Live and expert-led — taught by practitioners who ship AI
- Qube, an adaptive AI copilot, for every single learner

- Verifiable, shareable certification employers trust
- Delivered in 12+ languages, localised to your teams
- Curriculum engineered around your industry and stack



Ready to begin?

Enrol, request a private cohort, or book a free 30-minute consult — our team replies within one business day.

WEBSITE

www.qubiconai.com

Programmes, catalogue & enrolment

EMAIL

contact@qubiconai.com

Corporate & institutional enquiries

OFFICES

Bengaluru · San Francisco

India & USA · delivery in 50+ countries

BOOK A CONSULT

qubiconai.com/book

Free 30-minute capability call

Enrol or request this programme for your team

Reference QBN-RAG-SYSTEMS-IN-PRODUCT · RAG Systems in Production

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