DevHives

KOLKATA, INDIA

COURSE BROCHURE

AI Engineer

LLMs, Agents & MCP

Learn to build with large language models — prompting, RAG, AI agents, MCP servers and the terminal tools professionals use every day — from your first API call to a deployed, evaluated AI product.

24 weeks	6 phases	6 projects	Beginner to Advanced
DURATION	STRUCTURE	HANDS-ON BUILDS	LEVEL

ONE-TIME FEE

₹24,999 instead of ₹34,999

OR NO-COST EMI

₹2,500 /month × 10

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What you'll learn

These are the skills the programme builds, taken from the syllabus itself.

- LLM fundamentals
- Model selection
- Prompt APIs
- Token budgeting
- Prompt engineering
- Structured output
- Tool calling
- Streaming
- Embeddings
- Vector databases
- RAG
- Citation quality
- AI agents
- Agent SDKs
- Multi-agent design
- Guardrails
- MCP
- Claude Skills
- Claude Code
- Codex
- Terminal workflows
- LLM evaluation
- Observability
- Context engineering
- Deployment

Programme at a glance

Duration	Structure	Projects
24 weeks	**6 phases**	**6 builds**

Topic areas	Level	Batch language
18	**Beginner to Advanced**	**Bengali, Hindi or English**

Who it's for

- Basic computer knowledge and enthusiasm to learn. No prior programming experience is required — we start from the fundamentals and build up gradually.
- Around 2–3 hours a day. Sessions are live, and every one is recorded with lifetime access if you miss it.
- Live sessions and 1:1 mentorship run in Bengali, Hindi or English. Course material is in English.

Month-by-month syllabus

6 phases over 24 weeks, 18 topic areas and 6 hands-on builds. Each phase below is what you cover and the project you finish.

1

AI Engineering Foundations & LLMs

Weeks 1–4 · Beginner

What an AI Engineer Does · How LLMs Work · The Model Landscape

Project: *Build a model-comparison CLI that sends one prompt to two providers and logs tokens, cost and latency side by side.*

2

Prompting, Structured Outputs & Tool Calling

Weeks 5–8 · Beginner to Intermediate

Prompt Engineering · Structured Outputs · Function & Tool Calling

Project: *Build a structured-data extraction service that turns unstructured text into validated JSON with retries and a streaming progress UI.*

3

Embeddings, Vector Search & RAG

Weeks 9–12 · Intermediate

Embeddings · Vector Databases · Retrieval-Augmented Generation

Project: *Build a RAG assistant over your own docs that answers with citations and refuses when the retrieved context is too weak.*

4

AI Agents & Multi-Agent Workflows

Weeks 13–16 · Intermediate to Advanced

The Agent Loop · Agent SDKs · Safety & Guardrails

Project: *Build a research agent that plans, calls tools, pauses for approval on writes, and stops at a hard cost budget.*

5

MCP, Claude Skills & the Agent Toolchain

Weeks 17–20 · Intermediate to Advanced

Model Context Protocol (MCP) · Claude Skills & Agent Configuration · Terminal vs Web Interfaces

Project: *Build an MCP server that exposes a real API to an agent, package a reusable Skill, and drive it from the terminal (Claude Code or Codex).*

6

Evaluation, Observability & Production

Weeks 21–24 · Advanced

LLM Evaluation · Observability & Cost · Ship It

Project: *Deploy an evaluated, observable AI application with a regression suite, a cost dashboard and a written case study for your portfolio.*

Where this course can take you

The programme prepares you for roles that build products on top of foundation models:

Roles: AI engineer · LLM application engineer · AI product engineer · Agent / automation engineer · AI solutions engineer

Indicative Bengaluru cash CTC, lakh per year

Role	0–3 years	3–7 years
Machine-learning engineer (ML)	₹10–17 lakh	₹22–38 lakh
Data scientist	₹8–15 lakh	₹18–34 lakh

Source: kaam.work, India Tech Salary Report, 28 April 2026. Public salary reports do not sample the job title "AI engineer" separately. The closest sourced roles are machine-learning engineers and data scientists, so the bands below are indicative ranges, not an AI salary promise. Other cities pay about 5–25% less.

Fees and enrolment

ONE-TIME FEE

₹24,999

instead of ~~₹34,999~~

NO-COST EMI

₹2,500 × 10

per month, no separate reservation fee

What the fee covers

- Live classes; every session is recorded with lifetime access
- 1:1 mentorship and code review
- Hands-on projects in every phase
- Dedicated placement assistance
- No separate reservation fee

How to enrol

1. Choose your package at devhives.in/pricing.
2. Pay online by UPI, card or net banking, or pick no-cost EMI.
3. Message us on WhatsApp to talk to a counsellor first.
4. Batch dates are announced at enrolment.

> 7-day money-back guarantee — full refund, no questions asked. Up to 30 days you are eligible for a 50% refund. After 30 days, fees are non-refundable.

Talk to DevHives

Website	devhives.in
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Where	Kolkata, West Bengal, India
Next step	Enrol for AI Engineer at devhives.in/enroll?course=ai

Curriculum and fees as published on devhives.in. The full syllabus lives at devhives.in/ai-engineer-syllabus; all three packages are compared at devhives.in/pricing.