Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

DATA & AI

Generative AI

SAMPLE PROJECT

Course FAQ Assistant



COURSE FEE

Fee on enquiry

JAIPUR, RAJASTHAN

+91 70146 92039

Generative AI

Core concepts



01 Generative models, transformers and tokens

02 Prompt structure and output evaluation

03 Model APIs and structured outputs

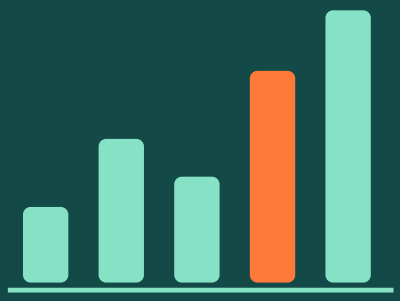
Define success

Select a dataset and decide how to measure a useful result.

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Applied skills

- **Source data**
- **Baseline**
- **Validation**



04 Embeddings, search and retrieval-augmented generation

05 Human review, privacy and hallucination checks

06 Application integration, testing and cost tracking

PROJECT DELIVERABLES

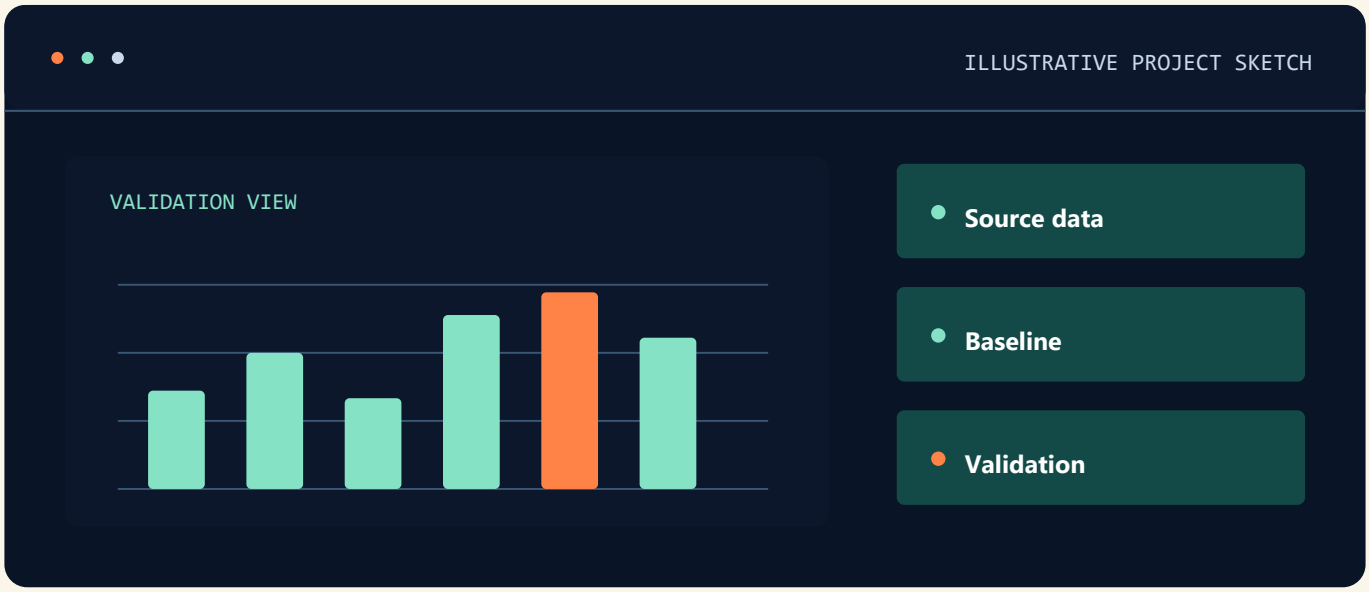
A reproducible analysis or demo, validation checks and a short findings summary.

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Portfolio project

Course FAQ Assistant

Build a retrieval-based FAQ assistant using public course material and check its answers against source passages.



Define success

Select a dataset and decide how to measure a useful result.

Validate results

Compare against a baseline or trusted total and explain any discrepancy.

A reproducible analysis or demo, validation checks and a short findings summary.

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Course fees

COURSE FEE

Fee on enquiry

Ask admissions for the course fee, available batches and enrolment details.

ADMISSIONS

+91 70146 92039

info@jaipurengineers.com

122/228, Indra Path, Thadi Market

Mansarovar, Jaipur, Rajasthan 302020

SCAN FOR MAP

Check course details

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Course content

MODULES 01–02

01

Lessons & practice

- Generative models
- Transformers
- Tokens

HANDS-ON

Compare token use for two example prompts and explain model input and output limits.

02

Lessons & practice

- Prompt structure
- Output evaluation

HANDS-ON

Write and test a structured prompt with a small evaluation set.

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Course content

MODULES 03–04

03

Lessons & practice

- Model APIs
- Structured outputs

HANDS-ON Parse a structured model response and handle an invalid or incomplete result.

04

Lessons & practice

- Embeddings
- Search
- Retrieval-augmented generation

HANDS-ON Retrieve relevant public FAQ passages and check an answer against its source.

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MODULES 05–06

05

Lessons & practice

- Human review
- Privacy
- Hallucination checks

HANDS-ON

Review incorrect answers and record where a human should verify output.

06

Lessons & practice

- Application integration
- Testing
- Cost tracking

HANDS-ON

Build a small FAQ demo and record tests, failure handling and expected API costs.