Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

DIPLOMA PROGRAMS

Diploma in Data Science & AI

SAMPLE PROJECT

End-to-End Forecasting Study



COURSE FEE

Fee on enquiry

JAIPUR, RAJASTHAN

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Diploma in Data Science & AI

Core concepts



01

Python, SQL, statistics and exploratory analysis

02

Data cleaning, feature engineering and visualisation

03

Regression, classification and clustering

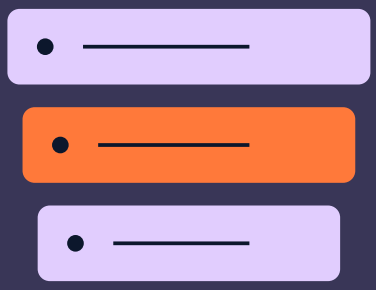
Scope the work

List the deliverables and identify which skills each one demonstrates.

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Applied skills

- **Design**
- **Build**
- **Demonstrate**



04 Deep learning, natural language and responsible AI

05 Validation, interpretation and deployment concepts

06 Data portfolio and model evaluation capstone

PROJECT DELIVERABLES

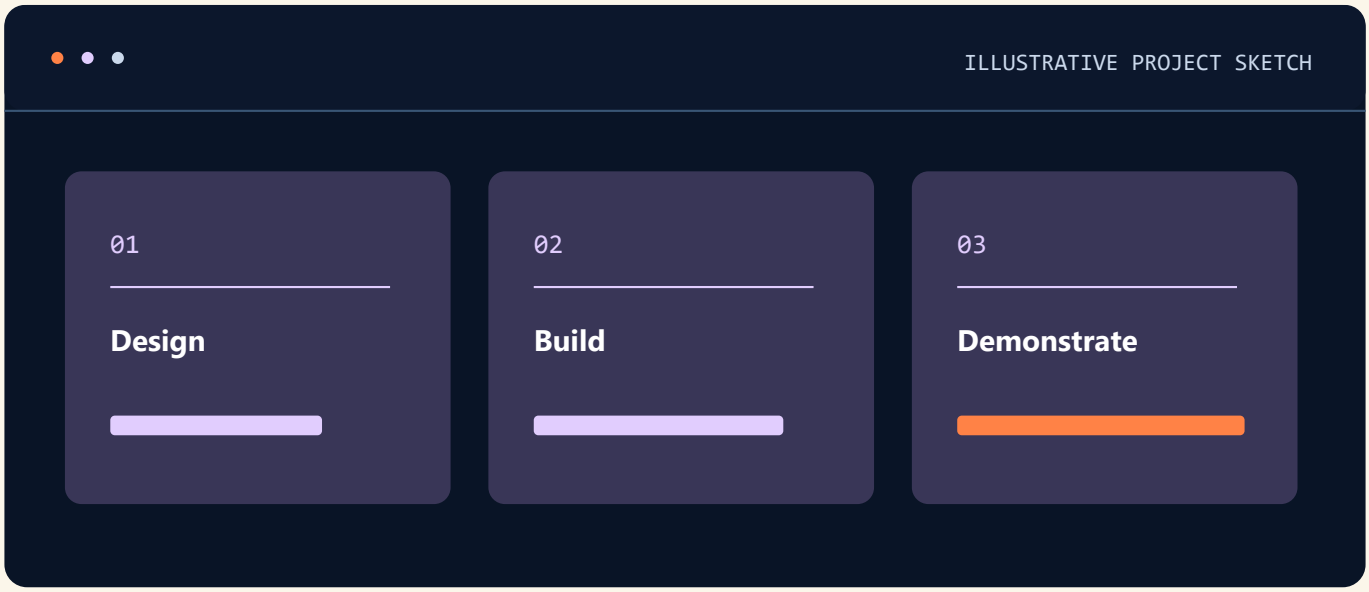
A portfolio brief, documented milestones and a demo or track-selection summary.

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Portfolio project

End-to-End Forecasting Study

Compare forecasting models on a dataset, evaluate future-period results and publish a reproducible analysis.



Scope the work

List the deliverables and identify which skills each one demonstrates.

Review milestones

Record completed work, feedback and the changes made before the demonstration.

A portfolio brief, documented milestones and a demo or track-selection 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

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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

- Python
- SQL
- Statistics
- Exploratory analysis

HANDS-ON Use Python and SQL to explore an initial question and report a baseline metric.

02

Lessons & practice

- Data cleaning
- Feature engineering
- Visualisation

HANDS-ON Clean records, construct features and compare visual summaries.

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Course content

MODULES 03–04

03

Lessons & practice

- Regression
- Classification
- Clustering

HANDS-ON

Train baseline regression or classification models and interpret a cluster grouping.

04

Lessons & practice

- Deep learning
- Natural language
- Responsible AI

HANDS-ON

Compare example neural and language-model tasks and identify responsible review steps.

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Course content

MODULES 05–06

05

Lessons & practice

- Validation
- Interpretation
- Deployment concepts

HANDS-ON

Evaluate models on held-out data and document limitations and deployment assumptions.

06

Lessons & practice

- Data portfolio
- Model evaluation capstone

HANDS-ON

Publish a reproducible case study with results and a practical recommendation.