Jaipur Engineers

Your One-Stop IT & Staffing Ecosystem

DATA & AI

Data Science

SAMPLE PROJECT

Customer Churn Analysis



COURSE FEE

Fee on enquiry

JAIPUR, RAJASTHAN

+91 70146 92039

Data Science

Core concepts



01	Python, NumPy, pandas and exploratory analysis
02	Data cleaning, joins and feature preparation
03	Statistics, sampling and visualisation

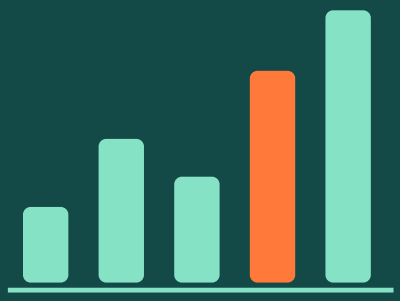
Define success

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

Data Science

Applied skills

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



04 Supervised and unsupervised learning foundations

05 Model evaluation, cross-validation and interpretation

06 Reproducible notebooks and capstone communication

PROJECT DELIVERABLES

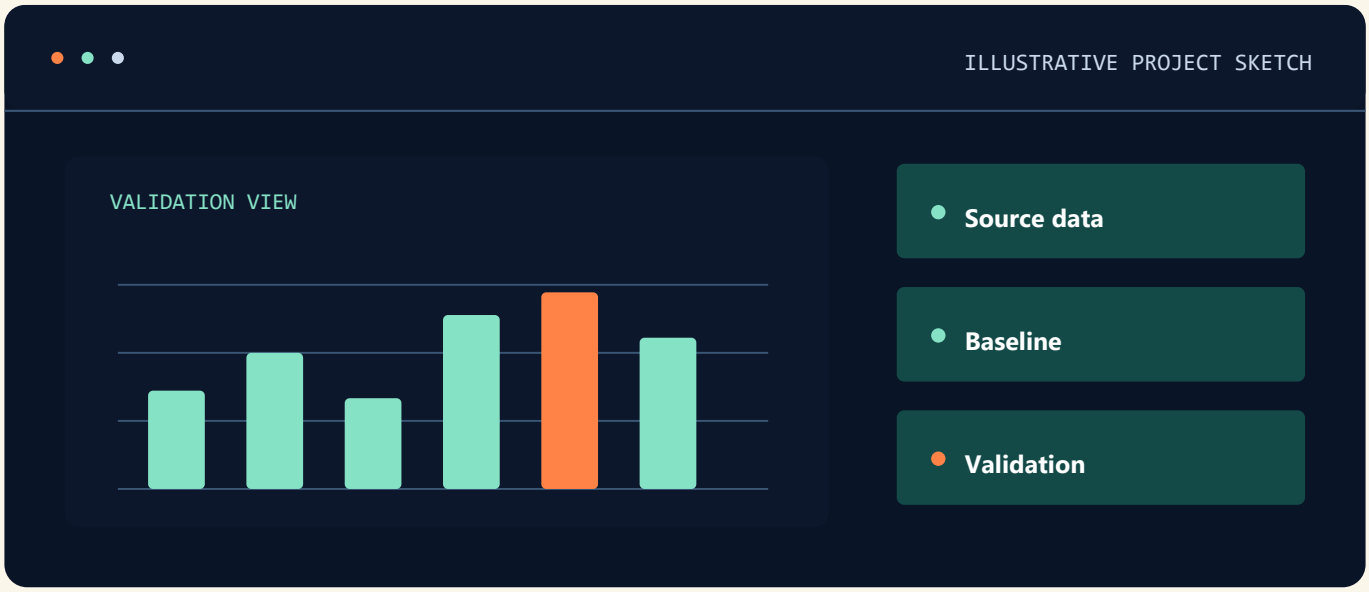
A reproducible analysis or demo, validation checks and a short findings summary.

Data Science

Portfolio project

Customer Churn Analysis

Clean a sample dataset, train a baseline model and present error analysis and recommendations.



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.

Data Science

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

Data Science

Course content

MODULES 01–02

01

Lessons & practice

- Python
- NumPy
- Pandas
- Exploratory analysis

HANDS-ON — Use pandas and NumPy to profile a dataset and chart its distributions.

02

Lessons & practice

- Data cleaning
- Joins
- Feature preparation

HANDS-ON — Clean records, join a lookup and record treatment for missing or duplicate values.

Data Science

Course content

MODULES 03–04

03

Lessons & practice

- Statistics
- Sampling
- Visualisation

HANDS-ON Compare a sample statistic across segments and explain a sampling limitation.

04

Lessons & practice

- Supervised
- Unsupervised learning foundations

HANDS-ON Fit a baseline supervised model and compare results with an exploratory cluster view.

Data Science

Course content

MODULES 05–06

05

Lessons & practice

- Model evaluation
- Cross-validation
- Interpretation

HANDS-ON — Evaluate a model with suitable metrics and report an error pattern.

06

Lessons & practice

- Reproducible notebooks
- Capstone communication

HANDS-ON — Deliver a reproducible notebook with results, limitations and a concise recommendation.