Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

DATA & AI

Machine Learning

SAMPLE PROJECT

Delivery Delay Predictor



COURSE FEE

Fee on enquiry

JAIPUR, RAJASTHAN

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Machine Learning

Core concepts



01 Python data preparation and feature engineering

02 Regression, classification and baseline models

03 Clustering and dimensionality reduction

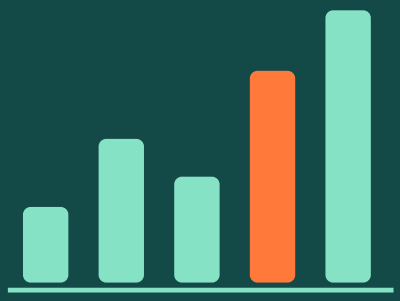
Define success

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

Machine Learning

Applied skills

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



04 Data splits, leakage prevention and metrics

05 Model tuning, cross-validation and interpretation

06 TensorFlow/Keras introduction and project evaluation

PROJECT DELIVERABLES

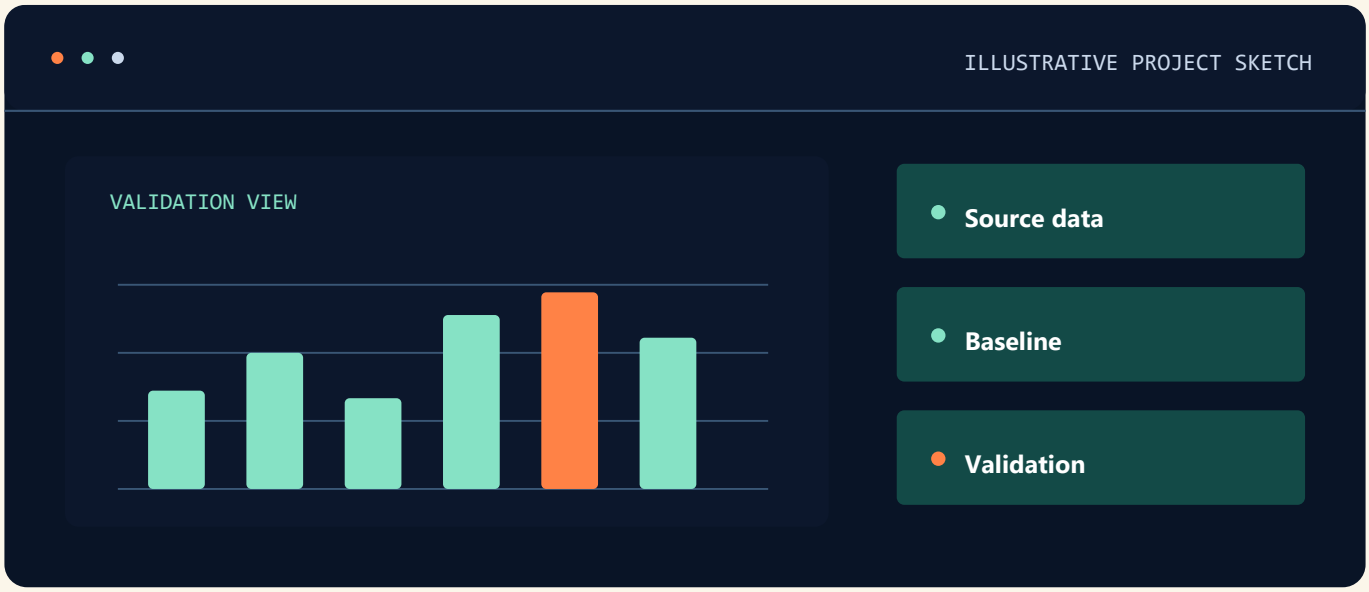
A reproducible analysis or demo, validation checks and a short findings summary.

Machine Learning

Portfolio project

Delivery Delay Predictor

Train and compare models on sample delivery data with a time-aware split, then analyse errors.



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.

Machine Learning

Course fees

COURSE FEE

Fee on enquiry

RELATED MODULE	INR
Machine Learning & Deep Learning	₹12,500

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

ADMISSIONS

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Mansarovar, Jaipur, Rajasthan 302020

SCAN FOR MAP

Check course details

Machine Learning

Course content

MODULES 01–02

01

Lessons & practice

- Python data preparation
- Feature engineering

HANDS-ON

Prepare features and separate training and evaluation data before transforming it.

02

Lessons & practice

- Regression
- Classification
- Baseline models

HANDS-ON

Compare regression or classification models with a simple baseline.

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Course content

MODULES 03–04

03

Lessons & practice

- Clustering
- Dimensionality reduction

HANDS-ON

Cluster sample records or project features into fewer dimensions and interpret the result.

04

Lessons & practice

- Data splits
- Leakage prevention
- Metrics

HANDS-ON

Choose a metric and split strategy and explain how you prevented data leakage.

Machine Learning

Course content

MODULES 05–06

05

Lessons & practice

- Model tuning
- Cross-validation
- Interpretation

HANDS-ON Tune a model with cross-validation and inspect a repeatable error pattern.

06

Lessons & practice

- TensorFlow/Keras introduction
- Project evaluation

HANDS-ON Train a small example neural model and compare its costs and errors with the baseline.