Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

DATA & AI

AI, Machine Learning & Applied AI Development

SAMPLE PROJECT

AI-Powered Support Triage



COMPLETE PROGRAMME

₹35,000

JAIPUR, RAJASTHAN

+91 70146 92039

AI, Machine Learning & Applied AI Development

Core concepts



01	Python, NumPy, pandas, Matplotlib and Plotly
02	Statistics, feature engineering and reproducible datasets
03	Scikit-learn models, validation and tuning

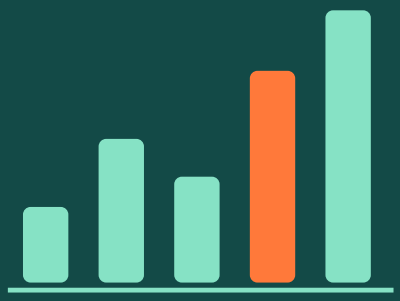
Define success

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

AI, Machine Learning & Applied AI Development

Applied skills

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



04 TensorFlow and Keras deep-learning foundations

05 NLP, transformers and LLM application integration

06 Streamlit or FastAPI delivery and evaluation

PROJECT DELIVERABLES

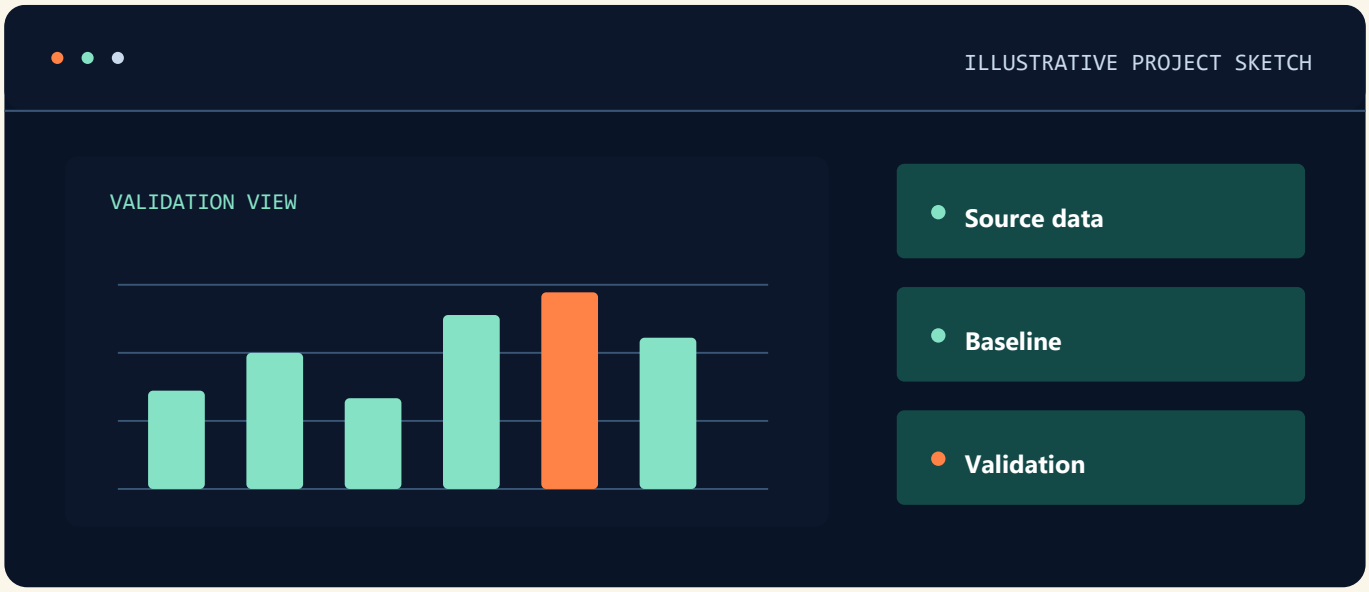
A reproducible analysis or demo, validation checks and a short findings summary.

AI, Machine Learning & Applied AI Development

Portfolio project

AI-Powered Support Triage

Build a model that categorises synthetic support requests and an app that shows results with human review controls.



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.

AI, Machine Learning & Applied AI Development

Course fees

COMPLETE PROGRAMME

₹35,000

MODULE FEES INR

Python & Data Science Foundation	**₹7,500**
Machine Learning & Deep Learning	**₹12,500**
Applied AI & ML Development	**₹15,000**

Contact admissions for class timings 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

AI, Machine Learning & Applied AI Development

Course content

MODULES 01–02

01

Lessons & practice

- Python
- NumPy
- Pandas
- Matplotlib
- Plotly

HANDS-ON Profile a dataset with NumPy and pandas and compare two chart formats.

02

Lessons & practice

- Statistics
- Feature engineering
- Reproducible datasets

HANDS-ON Build reproducible data splits and record feature assumptions and statistics.

AI, Machine Learning & Applied AI Development

Course content

MODULES 03–04

03

Lessons & practice

- Scikit-learn models
- Validation
- Tuning

HANDS-ON Compare scikit-learn baselines and validate a tuned model on held-out data.

04

Lessons & practice

- TensorFlow
- Keras deep-learning foundations

HANDS-ON Fit a small Keras model and explain training and validation curves.

AI, Machine Learning & Applied AI Development

Course content

MODULES 05–06

05

Lessons & practice

- NLP
- Transformers
- LLM application integration

HANDS-ON

Build an NLP or LLM component with source checks and representative failure reviews.

06

Lessons & practice

- Streamlit or FastAPI delivery
- Evaluation

HANDS-ON

Deliver a Streamlit or FastAPI demo with evaluation notes and run instructions.