

PROGRAM BROCHURE

Data Science with AI

Become job-ready in data science by building ML models and end-to-end projects using Python, statistics, and modern AI tools.



90-Day Live Cohort



Live Sessions



12+ Projects



InfraOne Labs



AI-Enabled LMS

965+

STUDENTS TRAINED

8.2 LPA

AVERAGE CTC

50+ AI

LEARNING TOOLS

DURATION

90 Days

FORMAT

Live Cohort

NEXT BATCH

3rd August 2026

WHY THIS PROGRAM

Why is this program **right** for you?

Data Science with AI is designed for learners who want to go beyond dashboards — into prediction, modeling, and machine learning — with structure, live practice, and project proof instead of another loose collection of tutorials.



- ✓ Learners with some Python or data background ready to level up
- ✓ Analysts and engineers moving into data science and ML roles
- ✓ Anyone who wants to build and deploy real ML models, not just study theory

WHAT'S INSIDE THE COHORT



90-Day Live Cohort



Live Sessions



12+ Projects



InfraOne Labs



AI-Enabled LMS

HOW THE COHORT WORKS

Live classes, always recorded

If you miss a live session, recordings are available so you can catch up anytime.

InfraOne AI Labs

All hands-on practice runs in the browser — no expensive hardware or GPU required.

Mentor & doubt support

Weekly doubt-clearing sessions and detailed feedback on every assignment.

Placement preparation

Portfolio & GitHub building, resume & LinkedIn optimization, and mock ML, stats & SQL interview rounds.

CURRICULUM

Course Syllabus

From your first Python script to your final deployed model — a clear, module-by-module path to job-ready data science skills.

9

MODULES

80

LIVE LECTURES

238+

HOURS

12+

PROJECTS

NO.	MODULE	LECTURES	HOURS	PROJECT WORK
01	PYTHON FOR DATA SCIENCE	10	30	Data Cleaning & Analysis Pipeline
02	STATISTICS & PROBABILITY	8	24	A/B Test Analysis Report
03	SQL FOR DATA SCIENCE	6	18	Business Metrics Deep-Dive
04	EDA & DATA VISUALIZATION	6	18	Full EDA Case Study on a Real Dataset
05	MACHINE LEARNING FUNDAMENTALS	12	34.5	Churn Prediction Model
06	ADVANCED MACHINE LEARNING	10	30	Customer Segmentation Engine
07	GENERATIVE AI FOR DATA SCIENCE	10	30	AI-Powered Insights Assistant
08	MODEL DEPLOYMENT & MLOPS BASICS	6	18	Deployed ML Web App
09	CAPSTONE & PLACEMENT PREPARATION	12	36	Final Capstone — End-to-End Data Science Project

Every module ends in project work — you leave with a portfolio of deployed, end-to-end projects, not just certificates of attendance.

Module details 01-04

PYTHON → STATS → SQL → EDA

MODULE 01

10 Lectures · 30 Hours

PYTHON FOR DATA SCIENCE

- Python fundamentals – variables, loops & functions
- Data structures – lists, dicts, sets & tuples
- NumPy – arrays & vectorized computing
- pandas – DataFrames, cleaning & transformation
- Working with files, APIs & real datasets

PROJECT

Data Cleaning & Analysis Pipeline

MODULE 02

8 Lectures · 24 Hours

STATISTICS & PROBABILITY

- Descriptive statistics & distributions
- Probability foundations
- Hypothesis testing & p-values
- Confidence intervals & A/B testing
- Correlation vs causation

PROJECT

A/B Test Analysis Report

MODULE 03

6 Lectures · 18 Hours

SQL FOR DATA SCIENCE

- Querying & filtering data
- Joins, aggregations & window functions
- Subqueries & CTEs
- SQL for feature extraction

PROJECT

Business Metrics Deep-Dive

MODULE 04

6 Lectures · 18 Hours

EDA & DATA VISUALIZATION

- Exploratory Data Analysis framework
- matplotlib & seaborn – statistical plots
- Plotly – interactive visualizations
- Storytelling with data & insight reports

PROJECT

Full EDA Case Study on a Real Dataset

Module details 05–09

ML → GENAI → DEPLOYMENT → CAPSTONE

MODULE 05

12 Lectures · 34.5 Hours

MACHINE LEARNING FUNDAMENTALS

- Supervised learning — regression & classification
- Model training, validation & cross-validation
- Feature engineering & selection
- Evaluation metrics — accuracy, precision, recall, ROC-AUC
- scikit-learn workflows end-to-end

PROJECT

Churn Prediction Model

MODULE 06

10 Lectures · 30 Hours

ADVANCED MACHINE LEARNING

- Unsupervised learning — clustering & PCA
- Ensemble methods — Random Forest & XGBoost
- Hyperparameter tuning
- Handling imbalanced data
- Intro to deep learning & neural networks

PROJECT

Customer Segmentation Engine

MODULE 07

10 Lectures · 30 Hours

GENERATIVE AI FOR DATA SCIENCE

- LLMs in the data science workflow
- Prompt engineering for analysis & modeling
- AI-assisted coding with copilots
- Intro to RAG & embeddings
- Building AI-powered data apps

PROJECT

AI-Powered Insights Assistant

MODULE 08

6 Lectures · 18 Hours

MODEL DEPLOYMENT & MLOPS BASICS

- Saving & serving models
- Building ML apps with Streamlit
- APIs with FastAPI
- Experiment tracking basics
- Git & GitHub for data scientists

PROJECT

Deployed ML Web App

MODULE 09

12 Lectures · 36 Hours

CAPSTONE & PLACEMENT PREPARATION

PROJECT

Final Capstone — End-to-End Data Science Project

- End-to-end capstone: problem → data → model → deployment
- Resume & LinkedIn optimization
- Portfolio & GitHub profile building
- Mock interviews — ML, stats & SQL rounds
- Final showcase

PORTFOLIO

Data Science Projects you will do

You won't just train models — you'll build a portfolio of end-to-end data science projects that shows employers exactly what you can do.



DATA SCIENCE · PROJECT 01

IPL Match Winner Predictor

Python · Skit-learn

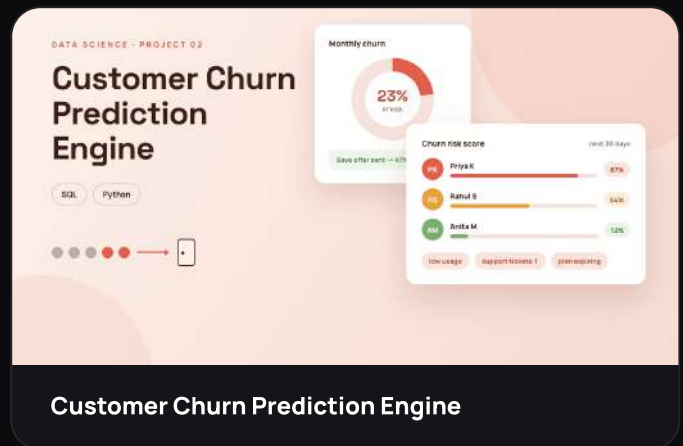
Win Predictor

Match 42: 720

68% Prediction

Model accuracy 75% on 12 seasons of match data

IPL Match Winner Predictor



DATA SCIENCE · PROJECT 02

Customer Churn Prediction Engine

SQL · Python

Monthly churn

23% churn

Churn risk score

Churn risk score

Churn risk score

Customer Churn Prediction Engine



DATA SCIENCE · PROJECT 03

Netflix-Style Recommendation System

Python

4.5M ratings learned

4.5M ratings learned

4.5M ratings learned

Netflix-Style Recommendation System



DATA SCIENCE · PROJECT 04

Credit Risk & Loan Approval Predictor

Credit score

742 score

Application #A-1042

Application #A-1042

Application #A-1042

Credit Risk & Loan Approval Predictor



DATA SCIENCE · PROJECT 05 · NLP

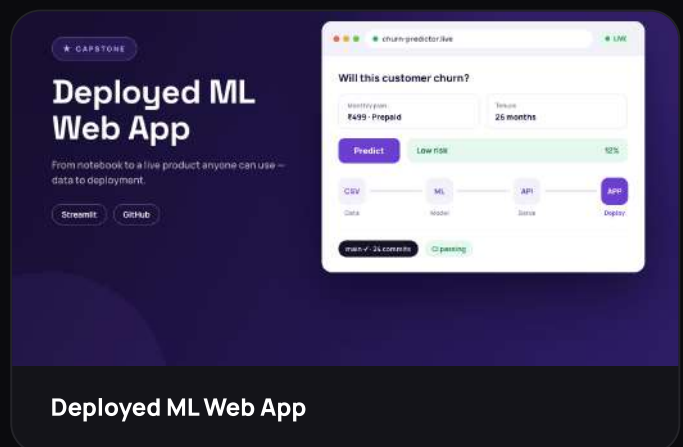
Product Review Sentiment Analyzer

Positive: 0.54

Negative: 0.41

12,480 reviews analyzed

Product Review Sentiment Analyzer



★ CAPSTONE

Deployed ML Web App

Will this customer churn?

Monthly plan: ₹499 - Prepaid

Tenure: 25 months

Predict: Low risk 12%

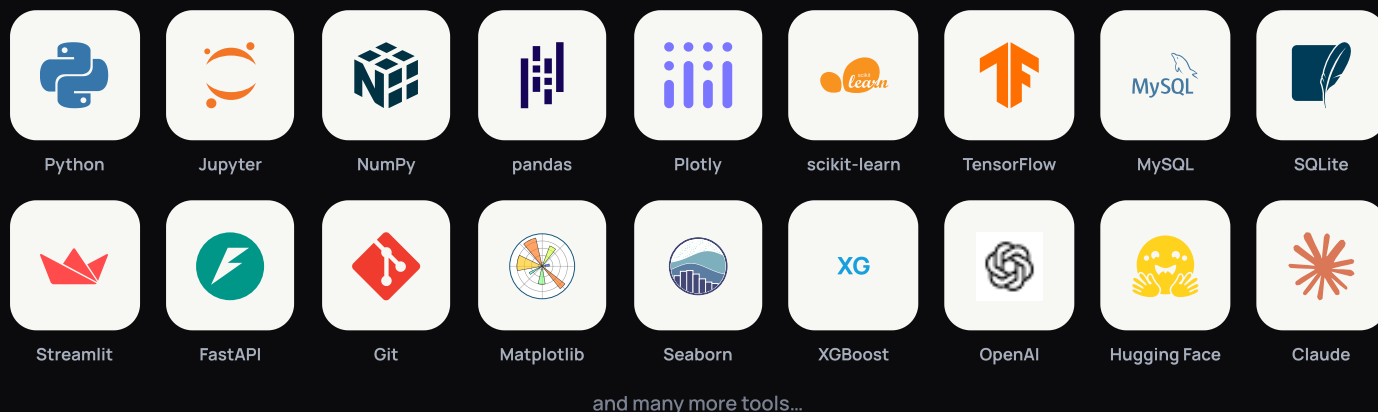
Deployed ML Web App

Your learning doesn't stop here — 12+ projects are waiting for you inside the cohort.

TOOLKIT

Tools you'll learn

Don't just learn the theory — get hands-on with the exact tools data scientists use every day, from data wrangling to model deployment.



CERTIFICATION

Get certified by InfraOne School of AI

Complete your capstone project and earn a certificate that reflects real, hands-on work, not just attendance.

- ✓ Complete weekly assignments
- ✓ Submit required projects
- ✓ Finish capstone
- ✓ Participate in final showcase



MENTORS

Learn from **industry experts**



SHUBHAM JAIN
Data Analytics Mentor
 Consultant · Catastrophe Risk Modeler Ex-WNS · EXL

SQL Python Power BI

AI/ML

Guides learners on dashboards, analytics workflows, business insights, and project thinking.

[in LinkedIn](#)



KANISHKA AGGARWAL
Data Science Mentor
 Consultant · Deloitte

Analytics Consulting

Dashboards

Business Insights

Guides learners on analytics thinking, business problem-solving, dashboard storytelling, and turning data projects into clear insights.

[in LinkedIn](#)



AAKASH SHARMA
AI Systems Mentor
 Application Consultant · Capgemini

AI Systems

Machine Learning LLM

RAG

Guides learners on AI system design, applied ML workflows, solution thinking, and building practical AI projects from concept to implementation.

[in LinkedIn](#)



RAHUL RANJAN
GenAI Mentor
 Senior Software Engineer · Curio Digital Therapeutics Inc.

GenAI Node.js FHIR

EHR/EMR Integration

Guides learners on GenAI application development, scalable backend systems, healthcare tech workflows, and building secure AI-powered products.

[in LinkedIn](#)

OUTCOMES

What learners say about project-first learning



"The Data Analytics with AI cohort changed how I approach problems. SQL, Power BI and Python felt overwhelming at first, but the mentors broke everything down with real datasets. My capstone project became the centrepiece of every interview I gave."


Shubham Kumar

Software Developer @ **Fujitsu**


"Every week we worked on live business data, no toy datasets. Pairing Python with AI tools for analysis made my research twice as fast. InfraOne's mock interviews gave me the confidence to crack my analyst role."


Aryan Verma

Research Analyst @ **ISOURCe**


"I joined to understand data-driven hiring. The cohort taught me dashboarding and analytics I now use daily to track pipelines. The instructors were patient with non-tech folks like me, that made all the difference."


Shubhadeep Nandi

Talent Acquisition @ **Prokatchers**


"From Excel basics to AI-assisted analysis workflows in twelve weeks. The pace was intense but structured. What I valued most was detailed feedback on every assignment, it never felt like a recorded course."


Utkarsh Sinha

Research Analyst @ **Authentix**

ADMISSIONS

Confirm your **Data Science** seat

SEAT RESERVATION

● Limited seats per cohort

Data Science with AI

₹19,999 ~~₹29,999~~ **Save 33%**

Launch offer · Next batch starts on 3rd August

- ✓ 90 days of live cohort classes
- ✓ AI-enabled LMS
- ✓ Certificate of completion
- ✓ Weekly hands-on ML projects with feedback
- ✓ Private community + WhatsApp group
- ✓ Letter of recommendation

[Reserve Your Seat](#)[Join Free Webinar](#)

GOOD TO KNOW

Do I need prior experience?

Some familiarity with Python or data basics helps you get the most out of this cohort. Complete beginners can start with Data Analytics with AI — our team can help you choose.

How is this different from Data Analytics with AI?

Data Analytics focuses on dashboards, SQL, and reporting. Data Science goes deeper — statistics, machine learning, model building, and deployment — so you can predict outcomes, not just describe them.

Do I need a powerful laptop or GPU?

No. All hands-on practice runs inside InfraOne AI Labs, a browser-based environment — no expensive hardware or setup required.

Will I get a certificate?

Yes. You'll earn an InfraOne certificate and Letter of Recommendation after completing weekly assignments, required projects, and your final capstone.



Ready to build your first **Data Science with AI** portfolio?

Apply for the upcoming 90-day live cohort and get the next steps on
WhatsApp / email.

[Join Now](#)

dev.infraone.ai/school-of-ai/data-science