THE LEARNING STAGE
WHERE YOUR SKILLS REALLY MATTER

PROGRAM CURRICULUM · 2 MONTHS

Data Science

Learn the full data workflow — cleaning messy data, exploring it, training machine-learning models and presenting results that a business can act on. Hands-on from day one, with real datasets and mentors who work with data professionally.

DURATION
2 months · Training + Internship

FORMAT
Mentor-led + full LMS access

PROJECTS
6+ live, deployed projects

CERTIFICATE
Verifiable on completion

Program overview

Learn the full data workflow — cleaning messy data, exploring it, training machine-learning models and presenting results that a business can act on. Hands-on from day one, with real datasets and mentors who work with data professionally.

How the two months work

MONTH 1 · TRAINING

Learn by building

Hands-on, mentor-led sessions. You work through the curriculum and build the core project.

MONTH 2 · INTERNSHIP

Apply it on real work

You apply it on real work, reviewed by the same mentors, and finish with something you can show.

Who it's for & prerequisites

WHO SHOULD JOIN

- Students & early-career builders — any branch (CSE / IT ideal)
- Turn raw data into models and dashboards that drive real decisions.
- Anyone who wants job-ready, portfolio-backed skills

PREREQUISITES

- **Beginner-friendly** — starts from fundamentals
- No prior experience required; basic laptop comfort helps
- A laptop, internet, and time to practise between sessions

The skills you'll walk away with

Python for Data | Data Wrangling | Machine Learning | Visualization

Exact libraries and tools are kept current and beginner-friendly; the concepts transfer across the field.

What you'll master

Python for Data	Pandas, NumPy and clean, repeatable analysis.
Data Wrangling	Clean, join and shape real-world messy data.
Machine Learning	Train, evaluate and tune predictive models.
Visualization	Turn findings into dashboards people understand.

By the end, you will be able to

- **Python for Data** — Pandas, NumPy and clean, repeatable analysis.
- **Data Wrangling** — Clean, join and shape real-world messy data.
- **Machine Learning** — Train, evaluate and tune predictive models.
- **Visualization** — Turn findings into dashboards people understand.
- Finish with **6+ portfolio projects** and a capstone you can show in interviews

Training curriculum — topics & what you'll do

Hands-on, mentor-led sessions. You work through the curriculum and build the core project. Lesson counts are shown per module; your mentor keeps the pace friendly for every level.

1 Python & Data Foundations

7 lessons

- Python essentials for analysis
- Pandas & NumPy in practice
- Loading and cleaning real datasets
- Exploratory data analysis

2 Machine Learning

9 lessons

- Regression & classification
- Model evaluation and metrics
- Feature engineering
- Avoiding overfitting

3 Feature Engineering & Pipelines

6 lessons

- Cleaning and transforming features
- Reusable, repeatable data pipelines
- Handling missing & messy data
- Avoiding data leakage

4 Tuning & Validation

6 lessons

- Hyperparameter tuning
- Cross-validation done right
- Comparing models fairly
- Reading errors to improve

5 Visualization & Delivery

6 lessons

- Charts that tell a story
- Building an interactive dashboard
- Presenting to non-technical people
- Capstone project

Month 2 — the internship

Real work, same mentors, something to show

With the training behind you, month 2 puts your skills to work on real, scoped tasks. The same mentors who taught you now review your work — and you finish with a shippable project and a verifiable certificate tied to it.

YOU DO	MENTORS DO	YOU FINISH WITH
Apply your skills on real, guided work.	Review your work regularly and unblock you.	A project you can show and a certificate you can verify.

Projects you'll build

Hands-on builds across the program — each one portfolio-ready. Your capstone ties it all together.

Sales Forecaster

Use real historical sales data to predict what next month looks like.

Python · scikit-learn · Jupyter · Pandas

Churn Classifier

Build a model that flags which customers are likely to leave, and why.

Python · scikit-learn · Jupyter

Insights Dashboard

Turn a raw dataset into an interactive dashboard someone can actually explore.

Python · Plotly · Streamlit

Recommendation Engine

Suggest the next item a user might like based on past behaviour.

Python · scikit-learn · Jupyter

Customer Segmentation

Group customers into meaningful clusters a business can act on.

Python · K-Means · Jupyter · Pandas

Time-Series Forecast

Predict a trend over time and explain the drivers behind it.

Python · Prophet · Jupyter

Your tools & tech

Python | scikit-learn | Jupyter | Pandas | Plotly | Streamlit | K-Means | Prophet

These are the core tools you'll use across the projects. Your mentor confirms the exact versions on day one.

What you'll need

BRING

- A laptop (4 GB RAM or more) and its charger
- A stable internet connection
- A few hours to practise between sessions

PROVIDED

- Full LMS access & starter files
- Mentor support throughout
- A verifiable certificate on completion

Getting set up

Everything you need is free or provided. Your mentor shares the exact tools to install and any starter files in your welcome email — so you're ready from day one, with nothing to buy.

Reserve your place

Confirm your seat today with the registration fee. It holds your place and counts towards your program fee.

Registration fee

reserves your seat

Pay the one-time **registration fee** to lock in your place. It counts towards your program fee — not an extra charge — and the balance is confirmed when you enrol. Payments are secure, and your seat is booked the moment it clears.

Choose your plan

Core

The full two months, training and internship.

- Month 1 — full training curriculum
- Month 2 — internship on real work
- Verifiable certificate

Pro POPULAR

The same two months, with more mentor time.

- Everything in Core
- Extended mentor sessions
- Project review before demo

Your certificate

A verifiable certificate of completion

Finish the program and you receive a certificate tied to the projects you built and their live links — independently checkable at **thelearningstage.in/verify**, so it holds up when a recruiter looks it up.

Enrol in five steps

1. Visit **thelearningstage.in** and open the **Data Science** program.
2. Choose your plan — **Core** or **Pro**.
3. Confirm your seat with the **registration fee** — it counts towards your program fee.
4. Get your welcome email with **LMS access** and your start date.
5. Join Month 1 training, then move into your Month 2 internship.

Eligibility

OPEN TO

- Students & early-career builders — any branch (CSE / IT ideal)
- No prior experience required

YOU'LL NEED

- A laptop and reliable internet
- A few hours to practise between sessions

Companies hiring for these skills

fractal · Mu Sigma · TCS TATA CONSULTANCY SERVICES · Tiger Analytics · accenture · genpact · LatentView · ZS

These employers actively hire for skills like the ones this program builds — a signal of demand, not partners of The Learning Stage and not a placement guarantee. The program gives you the shippable skills and portfolio that make you a stronger candidate.

Frequently asked questions

Do I need to be good at maths?

Comfort with basic maths helps, but we teach the concepts you need as you go. The focus is on applying models, not deriving them.

Which tools will I learn?

Python, Pandas, scikit-learn and a dashboarding tool — the standard, in-demand data stack.

Will I receive a certificate?

Yes — a verifiable certificate tied to the projects you build.

Are these companies actively recruiting?

Data roles are in high demand across analytics firms and enterprises. The logos shown are examples of employers actively hiring for these skills.

Ready to start? 🚀

Two months from now, you could have real, shippable skills, a portfolio of projects, and a certificate to prove it. Come learn the way real teams work.

Enrol at thelearningstage.in · support@thelearningstage.in · +91 96527 16677

Curriculum is indicative and may be refined to suit the cohort. Fees and plans current at time of print. © 2026 The Learning Stage.