



Certification in

**CERTIFICATION IN**

**DATA SCIENCE AND  
MACHINE LEARNING  
WITH GENAI**



**27<sup>th</sup> Sept 2025**

# Course Overview



*Master Python , SQL , ML , Deep Learning , and GenAI Tools*



*300+ Hours of Live Virtual Training*



*Hands-on with 8+ Projects + 4 Capstone Projects*



*Dual Certification with **Career247** & **NASSCOM***



*48+ Hours of GenAI Tools For Data Science*



*Access 200+ Skilling Courses*



*Batch starts on 27th September 2025*



**76-4000-3000**

# Features:

## ▶ **300+ Hours of Expert Training**

*A 300+ hour digital marketing program with mentorship and placement support.*

## ▶ **Access to Preplnsta Prime Course Lib**

*Learn the latest strategies and tools used by top Data Scientists.*

## ▶ **8+ Industry Projects**

*Gain hands-on experience with real-world projects to build job-ready skills.*

## ▶ **10 Lakh+ jobs**

*Unlock 10L+ job opportunities in Data Science with expert training and hands-on experience.*

# Why choose this Program?

### » **Global Curriculum + GenAI Tools**

*Industry-First curriculum with Python, ML, NLP, DL, and integrate GenAI tools across the data pipeline*

### » **Dual Certification: NASSCOM & Career247**

*Get the best of both worlds, Career247's certification and a NASSCOM certification*

### » **Built for a Data-First World With GenAI Integration**

*48+ hours of GenAI for data science workflows - Learn how to build intelligent, AI-enhanced systems — end to end*

### » **8+ Projects 4 Capstone Projects To Choose From**

*Work on real-world case studies and projects in NLP, CV, GenAI-enhanced dashboards, and more.*

 **76-4000-3000**



# Why choose this Program?

## » **Industry Mentorship**

*Industry Guest Lectures, Dedicated doubt clearing, and career guidance*

## » **Affordable Education**

*Best in class training at unmatched pricing to make quality education affordable for all*

# Data Science Curriculum

## **Module 1**

- *Python syntax, data types, and control structures*
- *Functions, file handling, and exception handling*
- *NumPy for matrix operations*
- *Pandas for data manipulation*
- *Data visualization using Matplotlib and Seaborn*
- *Modular programming concepts*
- *Mini-project: EDA on insurance data*

## **Module 2**

- *Basics of RDBMS and SQL syntax*
- *Creating, modifying, and querying tables*
- *Joins, subqueries, aggregate functions*
- *Data cleaning and transformation using SQL*
- *Window functions and analytical SQL*
- *Using SQL with Python (SQLite3/MySQL connector)*
- *Mini-project: Credit scoring database*

 **76-4000-3000**

# Data Science Curriculum

## Module 3

- Descriptive stats: mean, median, mode, variance
- Probability distributions: normal, binomial, Poisson
- Hypothesis testing, p-values, confidence intervals
- Correlation and covariance
- Central Limit Theorem and sampling
- Mini-project: Statistical investigation for customer churn

## Module 5

- Linear & logistic regression
- Decision trees and random forests
- KNN and hyperparameter tuning
- Model performance metrics: precision, recall, F1-score
- Cross-validation and model evaluation
- Mini-projects: Customer churn prediction, Property price prediction

## Module 6

- Clustering: K-means, Hierarchical
- Dimensionality reduction: PCA
- Anomaly detection
- Business segmentation use cases
- Mini-project: Customer segmentation using K-means



**76-4000-3000**



# Data Science Curriculum

## Module 7

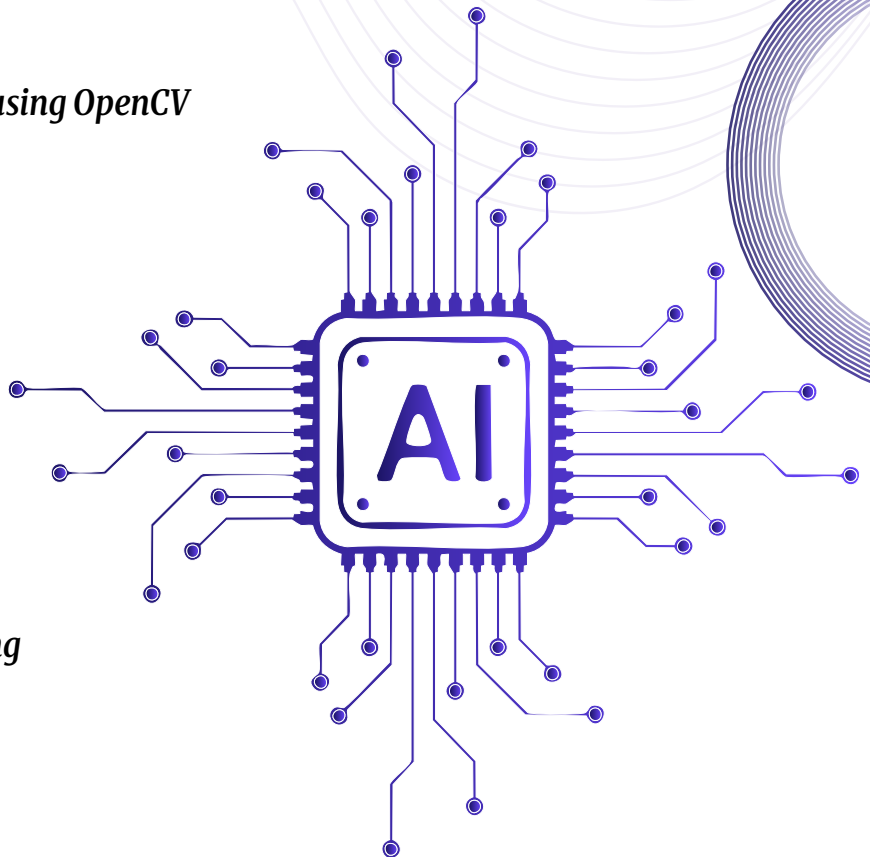
- Text preprocessing and vectorization
- Word embeddings (Word2Vec, GloVe)
- RNNs and LSTMs for sequence data
- Transformer architecture overview
- Hands-on with BERT/GPT for sentiment analysis
- Mini-project: IMDB Reviews classifier

## Module 8

- OpenCV for image preprocessing
- CNNs for facial recognition
- Object detection basics
- Mini-project: Face recognition using OpenCV

## Module 9

- GenAI for Code Enhancement
- GenAI for SQL Enhancement
- GenAI for Statistical Analysis
- GenAI for Model Building
- GenAI for Classification
- GenAI for Unsupervised Learning
- GenAI for NLP Applications
- GenAI for Computer Vision



 **76-4000-3000**

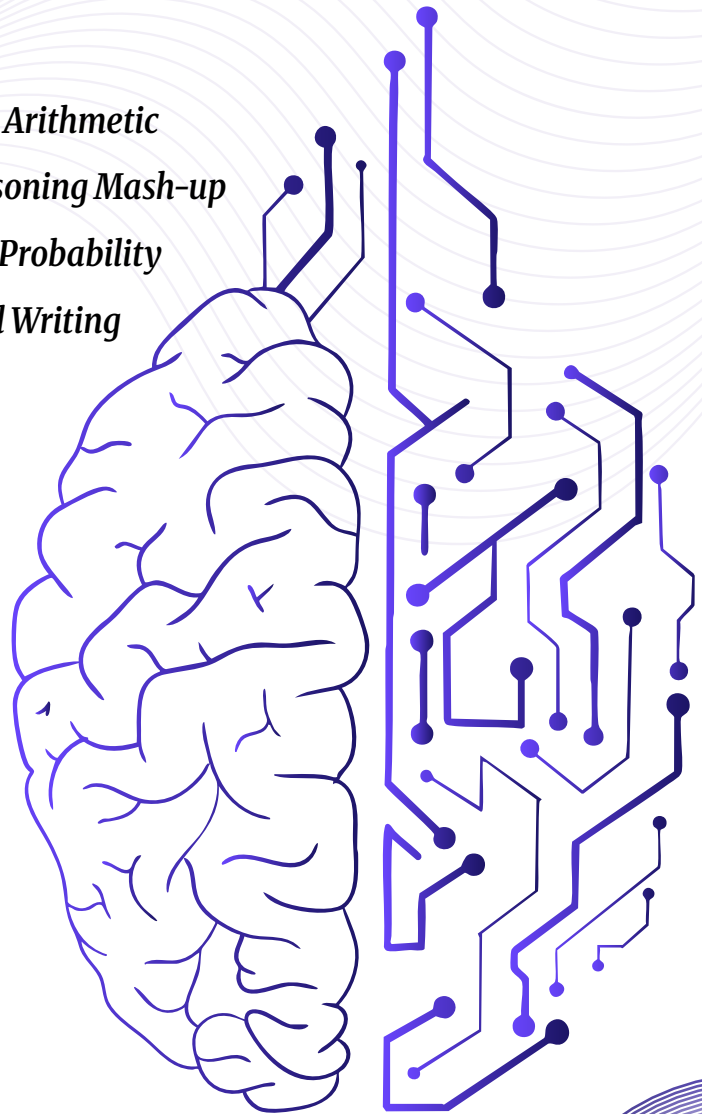
# Data Science Curriculum

## Module 10

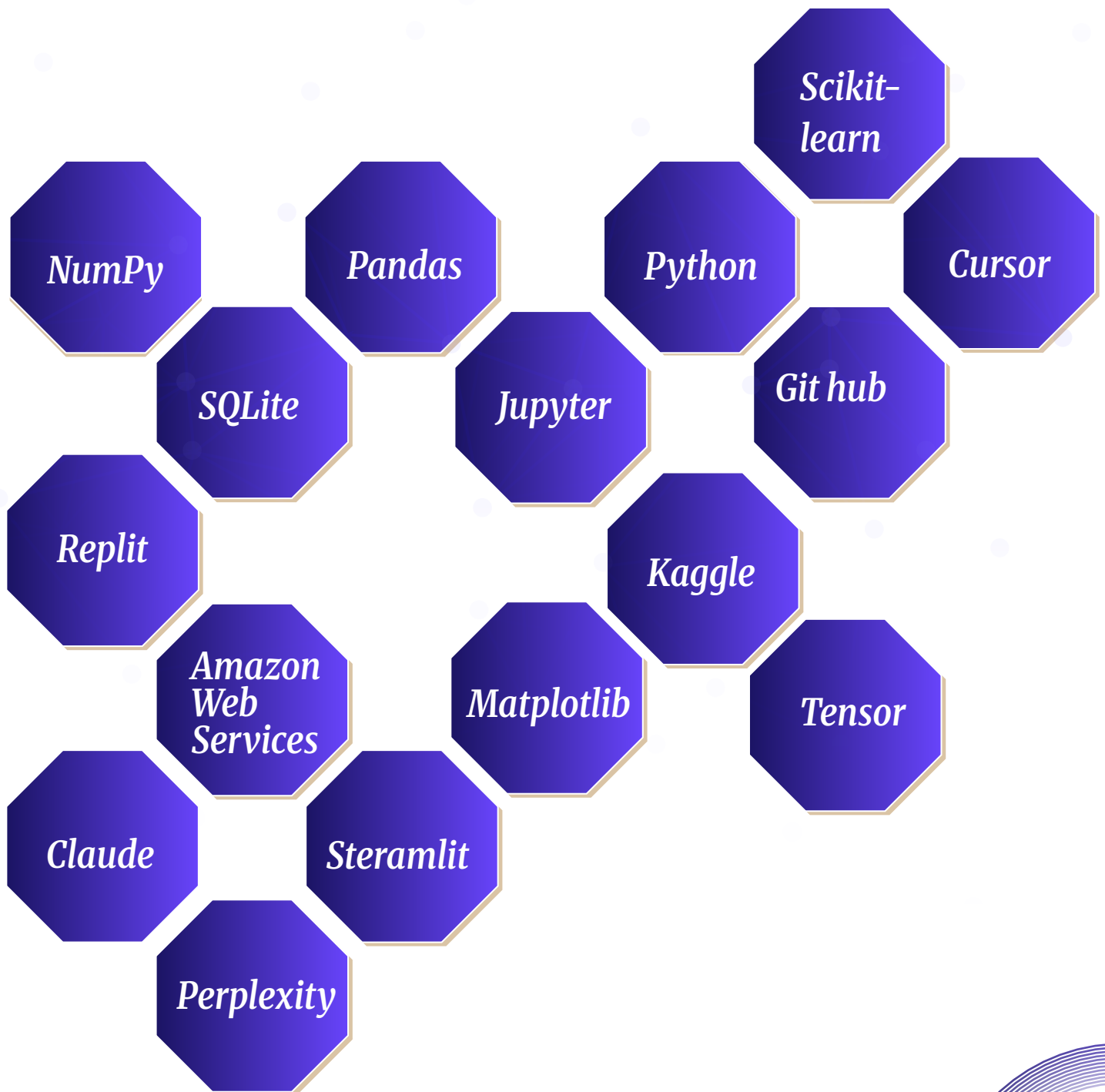
- *Group-based project with real-world problem statement*
- *Cross-functional problem solving*
- *End-to-end implementation and stakeholder presentation*
- *Example: Resume Screening using NLP + LLM*

## Module 11

- *Aptitude Training - Core Quant + Smart Arithmetic*
- *Aptitude Training - Visual + Verbal Reasoning Mash-up*
- *Aptitude Training - Decision-Making & Probability*
- *Business Communication and Analytical Writing*
- *Data-based Storytelling*
- *Resume Building*
- *LinkedIn Profile Optimization*
- *Interview Preparation*
- *Mock Interviews - HR & Domain*



# 15+ Industry-Leading Tools You Will Master



 **76-4000-3000**



# 15+ Industry-Leading Tools You Will Master

NumPy

pandas



CURSOR



SQLite

replit

amazon  
web services

Streamlit

TensorFlow

perplexity

Claude

matplotlib

## Projects You Will Do

*Hand Writing Recognition*

*IMDB review classifier*

*Face recognition via open CV*

*Online Fraud Detection*

*NLP For Resume Screening*

*Inventory Optimization For E-Commerce*



**76-4000-3000**

**Get access to 200+ skilling courses**

*Expert-taught Courses like:*

- Python
- Data Science
- DSA all languages
- Competitive Coding
- Interview Prep.
- Aptitude, etc
- NLP and Deep Learning
- Pandas
- C, C++
- AI/ML
- GitHub



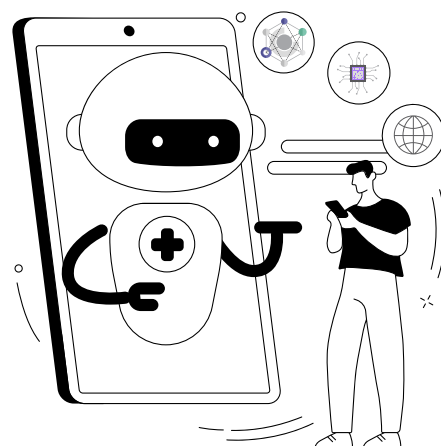
### Demo Videos

Data Science  
Demo Video

Data Science  
Demo Video

Data Science  
Demo Video

Data Science  
Demo Video



 **76-4000-3000**

## Career Path In Data Science

*Your journey from beginner to expert in the dynamic world of Data Science*



### **Salary Growth**

*Experience rapid salary growth as you move up in Data Science. Start with entry-level roles and progress to high-paying leadership positions*



### **Career In Data Science**

*A career in Data Science offers opportunities to build cutting-edge solutions in AIML and decision-making*



### **Career Path**






*Experience rapid salary growth as you move up in Data Science. Start with entry-level roles and progress to high-paying leadership positions.*

## Career Assistance Criteria

### ◆ Career Assistance Description

*\*Career qualification is necessary to access the Career Services Team. Job opportunities depend upon market conditions, hiring trends, and candidate performance and feedback*

### **Qualification criteria to access career services:**

-  80% passing criteria across all assessments and projects.
-  Passing the mock interview sessions with the respective faculty/mentor.
-  80% attendance across our programs.
-  Excellent academic scores with more than 60% above across graduation marks.
-  Experience between 0 - 3 years, preferably in the technology or data management domain.



**76-4000-3000**

# Who should do the Data Science Program?

## 01 Aspiring Data Scientists

*Individuals aiming to launch a career in data analysis, data science, or related analytics fields.*

## 02 Career changers

*Professionals from non-technical backgrounds eager to transition into the high-demand field of data science.*

## 03 IT Engineers And Graduates

*Students or professionals with technical degrees who want to specialize in data analysis.*

## 04 Upskilling Professionals

*Those in adjacent fields like marketing, finance, or operations who want to add data analytics to their skill set.*

## Career Assistance?

| Resume & Interview Prep

| Mock Interviews

| Company Assessments

| Soft Skills Training



 **76-4000-3000**

# Earn your Data Science & Machine Learning With GenAI Certificate



## Learn from top industry experts



**Dipayan Sarkar**

23+ YOE

Data Science Trainer Visiting Faculty at top institutions (NMIMS, SRM University, BML Munjal University).



**Utkarsh Sharma**

8+ YOE

Data Science Trainer Professional Data Science and AI Trainer



**Tushit Dave**

5+ YOE

Data Science Trainer Principal Data Scientist - Solutions | Ex-HCL



**Azib Hasan**

10+ YOE

Data Science Trainer Professional Data Science and AI Trainer



**Yash Saxena**

10+ YOE

Data Science trainer Senior Data Scientist & Mentor



**Shivam Garg**

7+ YOE

Data Science trainer Visiting Faculty at IIT Bangalore, IIT Patna



**76-4000-3000**



# Program Fees

Program fees include tuition, materials, and other resources. Flexible payment options or scholarships may be available to eligible students.



1 **7 months skill** based cohort (live) learning

2 **300+ Hours** of Live Virtual Training

3 Certifications from **NASSCOM + Career247**

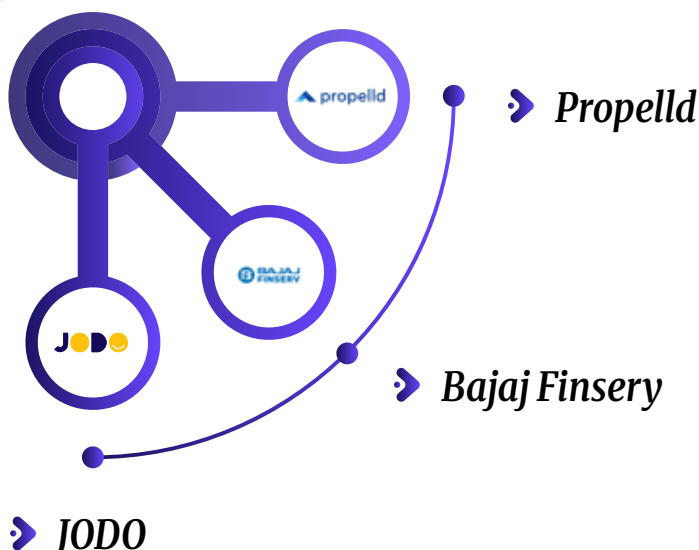
4 **8+ Industry** Projects + 4 Capstone Project

5 **15+ Tools** To Master

6 Finance Options Available

**Program Fees ₹ 55,000/- Inclusive of all taxes.**

**We are partnered with top finance companies**



**76-4000-3000**

# Frequently Asked Questions

## **General**

*What is this Data Science and Machine Learning with GenAI course about?*

*This 260+ hour, 6-month program is designed to make you a job-ready data professional. You'll learn core skills in Python, SQL, statistics, machine learning, deep learning, NLP, and computer vision—alongside 48+ hours of GenAI training using tools like GPT, Hugging Face, and AutoML. The course includes live virtual classes, 8 mini-projects, 1 capstone, and career support.*

## **Who should enroll in this course?**

*This course is ideal for final-year students, recent graduates, analysts, engineers, and tech professionals looking to transition into or advance in data science and AI/ML roles.*

## **What are the key benefits of this program?**

1. 8 real-time projects + 1 capstone
2. 48+ hours of GenAI tools for data science workflows
3. Dual certification from Career247 and NASSCOM
4. 100% placement assistance with interview prep
5. Faculty from Apple, IBM, Fractal, and top AI teams
6. Affordable pricing with EMI and scholarship options

## **How does this course differ from competitors?**

*This is one of India's first data science programs with deep GenAI integration. It includes GenAI for SQL, Python, model building, and storytelling. With real-world projects, mentoring, and case studies, you'll build both foundational and future-forward skills.*

## **How does this course differ from competitors?**

*This is one of India's first data science programs with deep GenAI integration. It includes GenAI for SQL, Python, model building, and storytelling. With real-world projects, mentoring, and case studies, you'll build both foundational and future-forward skills.*

## **What will be the Class timings?**

*Classes will be on Sat-Sun from 7 PM to 10 PM and on Tue from 7 PM to 10 PM*



**76-4000-3000**

# Program structure and curriculum

## What are the prerequisites for enrolling?

*Basic familiarity with coding and logical reasoning is helpful. No prior experience in data science or AI is required*

## What topics are covered in the program?

1. Python, SQL, and Statistics
2. Supervised & Unsupervised ML
3. Deep Learning with CNNs
4. NLP using BERT/GPT
5. Computer Vision with OpenCV
6. Generative AI & Prompt Engineering
7. Resume prep, aptitude, and soft skills training

## What is the course duration and format?

*This is one of India's first data science programs with deep GenAI integration. It includes GenAI for SQL, Python, model building, and storytelling. With real-world projects, mentoring, and case studies, you'll build both foundational and future-forward skills.*

1. 7-month cohort-based program
2. Live sessions on weekends (3 hours/session)
3. Includes access to recordings, self-paced labs, and GenAI exercises

## Will I receive a certification?

*Yes. You'll receive a Certificate of Completion from Career247 and an industry-endorsed NASSCOM certification (after assessment clearance).*

## Are there any real-world projects?

*Yes. You'll complete:*

1. 8 guided projects (churn prediction, price modeling, CV, LLM, dashboards)
2. 1 capstone project (e.g., Resume Screening using NLP + LLMs)

# Program structure and curriculum

## **| What tools and platforms will I learn?**

*Python, NumPy, Pandas, SQL, Matplotlib, Scikit-learn, TensorFlow, Keras, OpenCV, ChatGPT, Hugging Face, Claude, GitHub Copilot, AutoML, LangChain, Cursor*

## **| How long does the program take to complete?**

*It is a 7-month structured program with 300 hours of live lectures and additional self-paced learning and projects.*

## **| Is this a weekday or weekend program?**

*Weekend sessions only — typically Saturdays or Sundays (3 hours each)*

## **| What is the passing criteria for the program?**

*To qualify for certification:*

- 1. Attend at least 80% of live sessions*
- 2. Score at least 80% in assessments*
- 3. Clear mock interviews with mentor feedback*

## **| What is the language of instruction?**

*Live sessions are in English and Hindi.*

## **| Are there any real-world projects?**

*Yes. You'll complete:*

- 1. 8 guided projects (churn prediction, price modeling, CV, LLM, dashboards)*
- 2. 1 capstone project (e.g., Resume Screening using NLP + LLMs)*

# Placements and Careers

## **How will this course help my career?**

*You'll build a portfolio of 8+ projects and a capstone, learn from industry mentors, and receive 100% placement assistance—giving you a strong edge in roles like Data Scientist, ML Engineer, and GenAI Specialist*

## **What are the expected salary ranges for data science professionals?**

*Freshers: ₹5–10 LPA*

*Mid-career (3–5 years): ₹12–16 LPA*

*Senior (5+ years): ₹20+ LPA*

*GenAI-skilled professionals command 20–40% higher pay.*

## **What career opportunities are available after this course?**

*Weekend sessions only — typically Saturdays or Sundays (3 hours each)*

## **What is the passing criteria for the program?**

*Roles include:*

- 1. Data Scientist / ML Engineer*
- 2. Data Analyst / Decision Scientist*
- 3. GenAI Engineer / Prompt Engineer*
- 4. NLP / LLM Developer*
- 5. AI Product Analyst / Applied AI Engineer*

## **Which companies hire data science professionals?**

*TCS, Accenture, Amazon, Google, Fractal, Wipro, Cognizant, Mu Sigma, Zoho, Flipkart, Deloitte, Razorpay, Quantiphi*

## **What is the placement assistance process?**

*Roles include:*

- 1. Resume and LinkedIn profile review*
- 2. 1:1 mock interviews (HR + domain)*
- 3. Aptitude Training*
- 4. Data storytelling training*
- 5. Career mentoring and referrals*



**76-4000-3000**



# What are the eligibility criteria for placement assistance?

## **What are the eligibility criteria for placement assistance?**

1. 80% live session attendance
2. 80%+ scores in all assignments
3. Mock interviews cleared with faculty approval

## **Do you guarantee placements?**

*We guarantee placement assistance, not jobs. Final selection depends on your performance and the recruiter's decision.*

## **What is the typical starting salary after placement?**

*Freshers typically earn ₹5–10 LPA. Higher packages depend on prior experience, skill application, and project portfolio.*

# Fees and Enrollment

## **What is the course fee?**

*₹55,000/- (inclusive of all taxes)  
Includes live classes, project guidance, and placement support.*

## **Are there any scholarships available?**

*Yes. Scholarships are offered based on merit or financial need. Reach out to our admissions team to apply.*

## **Is there a discount on the course fee?**

*Yes. Early-bird and referral discounts are offered from time to time.*

 **76-4000-3000**

# Fees and Enrollment

## **What is the refund policy?**

*Refunds are subject to our cancellation policy. Please contact support for full terms.*

## **Will I have access to materials after the course?**

# Technical and Support Queries

## **How can I get doubts resolved?**

*Roles include:*

- 1. Weekly live doubt-clearing sessions*
- 2. 24/7 email and peer forum support*
- 3. Mentor check-ins during the course*

## **Will I get 1:1 mentorship?**

*While mentorship is not daily, you'll receive personalized feedback, project guidance, and mock interviews with experts.*

## **What happens if I miss a live session?**

*All sessions are recorded and available for playback on our LMS.*

## **How long will I have access to the course content?**

*You will retain access to the platform for 6 months post-program.*

## **Will I receive physical books or printouts?**

*No printed materials are provided. All content is digital and available 24/7 through the LMS*

 **76-4000-3000**