



AI-Powered Course – Learn, Build & placed

- 🧑 12+ Years in IT Training
- 🎯 50000+ Students Trained
- 🧑 Practical Training
- 🎧 Mock Interview Prep
- 💻 Live Projects with You
- 📁 Placement Assistance & Internship Programs
- 📜 ISO-Certified & MSME-Approved Institute



REVIEWS



4.9 ★★★★★



4.8 ★★★★★

GIVEN BY **1000+** STUDENTS



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when I first started



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Proven Track
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**15+ years of
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Gautam**

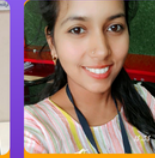
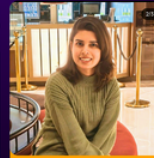
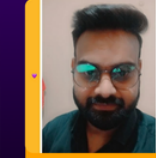
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MERN STACK

PYTHON

PLACEMENTS

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 9.8 Avdesh Sharma LPA Infosys	 8.3 Mukesh Panday LPA Infosys	 4.8 Nilesh Carpenter LPA ESP Softech	 5.2 Prakash Kharche LPA Tech Jockey	 6.8 Mukesh Randhava LPA Neosoft	 9.8 Akram khan LPA x-Biz	 4.3 Swapnil Joshi LPA x-Biz	 4.8 Ranjana Jadhav LPA TaskCraft
 4.8 Rajat Ghate LPA Glazer Games	 5 Aman Verma LPA Mosphe	 4.8 Piyush Patidar LPA Divergent	 4.8 Aditya Seth LPA Shethink	 4.3 Sonu Gunhare LPA thoughtwin	 11 anuja solanki LPA Oracle INC	 4.2 Lokesh Kaushik LPA Tracen code	 4.8 Parag Jaisawal LPA KSolve
 4.8 Naman Joshi LPA EXPLETUS	 3 Sakshi Sahu LPA Softops	 4.2 Madhur Tiwari LPA TCS	 4.3 Arushi Rathore LPA bitcot	 6 Veerendra Singh LPA Kelton	 3 Firoz Rizvi LPA Thoughtwin	 4.2 abhishek Parihar LPA Ideal IT Techno	 6.0 Chinmay Chaturvedi LPA Agility Visual

JAVA

QA, SALESFORCE, DA, DS, AI\ML

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 2.8 shubham sharma LPA kvsofttech	 5.8 Ankit Goswami LPA Capgemini	 5 Amogh Saxena LPA Digmalet	 3.5 harsh bhonsale LPA dure dev	 4.2 Prateek bhardwaj LPA hivatechnolab	 5.2 Shubham singh LPA Gamma-stack	 4.5 Priya singh LPA ksolve	 5.0 Neha choudhary LPA moryah	 6.2 Naveen Yadav LPA Protonshub
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AI-POWERED DATA SCIENCE MACHINE LEARNING

Duration: 3-4 months

Course Highlight:

PYTHON, ADVANCE PYTHON, PYTHON DSA, SQL, ADVANCE SQL, NUMPY, SCIPY, PANDAS, MATPLOTLIB, SCIKIT-LEARN, MACHINE LEARNING, DEEP LEARNING BASIC, NLP

Module 1: Introduction to Data Science & Python

- What is Data Science, ML, AI?
- Role of Python in Data Science
- Python Installation (Anaconda, Jupyter, VS Code)
- Python Refresher: Variables, Data Types, Control Flow, Functions

Module 2: SQL for Data Analytics

- Database Basics (RDBMS, Primary Key, Foreign Key)
- SQL Basics: SELECT, WHERE, ORDER BY, GROUP BY
- Joins: INNER, LEFT, RIGHT, FULL
- Subqueries & CTEs
- Window Functions (ROW_NUMBER, RANK, LEAD, LAG)
- Hands-on with MySQL / PostgreSQL / MS SQL Server

Module 3: Statistics & Probability for Analytics

- Descriptive Statistics (Mean, Median, Mode, Variance, Std. Dev.)
- Probability & Distributions (Normal, Binomial, Poisson)
- Hypothesis Testing (t-test, ANOVA, Chi-square)

Module 4: Python basic to advance

- Introduction to Python
- Python Basics
- Control Flow
- Strings in Python
- Data Structures
- Functions
- Modules & Packages
- File Handling
- Exception Handling

Module 5: NumPy

- Introduction to NumPy & ndarrays
- Creating & Inspecting Arrays
- Indexing, Slicing & Reshaping
- Array Operations & Broadcasting
- Mathematical & Statistical Functions
- Random Number Generation
- Advanced Indexing (Boolean, Fancy)
- Linear Algebra with NumPy

Module 6: SCIPY

- Introduction to SciPy & Ecosystem
- Working with SciPy Sub-packages (overview)
- SciPy Constants & Special Functions
- Linear Algebra (scipy.linalg)

Module 7: Pandas

- Introduction to Pandas & DataFrames
- Series & DataFrame Basics
- Creating & Reading Data (CSV, Excel, JSON, SQL)
- Indexing, Slicing & Subsetting Data
- Data Exploration (head, tail, info, describe)
- Handling Missing Data (dropna, fillna)
- Data Cleaning & Transformation (replace, apply, map, astype)
- Filtering & Conditional Selection
- Sorting & Ranking
- GroupBy & Aggregations
- Merging, Joining & Concatenation
- Pivot Tables & Crosstab
- Working with Dates & Time Series
- Window Functions (rolling, expanding, ewm)
- Input/Output Operations (CSV, Excel, SQL, JSON, Pickle)

Module 8: Data Visualization

- Matplotlib: Line, Bar, Histogram, Scatter Plots
- Seaborn: Heatmaps, Pairplots, Distribution Plots
- Plotly: Interactive Dashboards & Graphs

Module 9: Introduction to Machine Learning

- What is ML? Types (Supervised, Unsupervised, Reinforcement)
- ML Workflow (Data Collection → Model → Evaluation → Deployment)
- Introduction to Scikit-learn
- Train/Test Split & Cross Validation
- Performance Metrics (Accuracy, Precision, Recall, F1, AUC)

Module 10: Supervised Learning – Regression

- Linear Regression (Simple & Multiple)
- Polynomial Regression
- Regularization (Lasso, Ridge, ElasticNet)
- Evaluation Metrics (MSE, RMSE, R² Score)
- Case Study: Predicting House Prices

Module 11: AI-Powered Data Analytics Content

1. AI + Data Prep – Auto data cleaning, anomaly detection (AI-driven tools)
2. AI-Powered Analysis – Forecasting, Trend Analysis, Predictive Analytics (ML models)
3. Natural Language Queries – Chat with data using AI (Copilot, ChatGPT, Power BI AI visuals)
4. Prompt Engineering and GEN-AI
5. Real-World Projects –
 - AI-Powered Sales Dashboard
 - Customer Churn Prediction
 - Sentiment Analysis on Reviews
 - Financial Forecasting with AI

Module 12: Supervised Learning – Classification

- Logistic Regression
- k-Nearest Neighbors (kNN)
- Decision Trees & Random Forest
- Support Vector Machines (SVM)
- Naive Bayes Classifier
- Case Study: Spam Detection / Customer Churn

Module 13: Unsupervised Learning & Reinforcement Learning

- Clustering (K-Means, Hierarchical, DBSCAN)
- Dimensionality Reduction (PCA, t-SNE)
- Association Rule Learning (Apriori, FP-Growth)

Module 14: Natural Language Processing (NLP)

- Text Preprocessing (Tokenization, Stopwords, Stemming, Lemmatization)
- Bag of Words, TF-IDF, Word Embeddings (Word2Vec, GloVe)
- Sentiment Analysis
- Named Entity Recognition (NER)
- Case Study: Chatbot / Review Analysis

Module 15: AI-Powered Data Science

- AutoML Tools (H2O.ai, Auto-Sklearn, PyCaret)
- AI APIs Integration (OpenAI, Hugging Face)
- Generative AI for Data Science (Synthetic Data Creation)
- Explainable AI (XAI)

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