



Data Analytics

With Python, ML, Deep Learning and GenAI



**Analytics & AI Skills for
Real-World Applications**

100% Job Guranteed Program

Designed to Meet Top Company's
Hiring like-

tcs



genpact

Google

Cognizant

+50 more

About Course

Not at all. We start from absolute basics—Python, logic building, and fundamentals—and slowly move toward advanced topics like Machine Learning and GenAI. If you can use a computer and are willing to learn, you're good to go.

Why This Course Works

Instead of isolated tools or theory-heavy learning, this program focuses on end-to-end ownership. Students learn how to handle raw data, extract insights, build intelligent models, deploy applications, and explain results to business stakeholders—exactly what modern tech roles demand.

Learning Approach

Every month combines core concepts with industry-inspired projects. You don't just learn what a model is—you learn why it's used, where it fits in business, and how to deploy it. This practical-first approach helps students gain confidence and build a recruiter-ready portfolio.



Built for the 2026 Data & AI Job Market

- Designed around how companies are adopting AI, ML, and GenAI at scale
- Focus on skills that remain relevant beyond tools and trends
- Aligned with global hiring patterns, not short-term hype

By integrating GenAI into our program, we ensure that our learners are well-prepared to lead and innovate in their respective fields.

 **100%**
Assured Interview

 **350+**
Hiring Partners

 **6,000+ +**
Learners Trained



This Industry-Aligned Data Science Program is designed to help you learn by doing, not just by watching. It blends strong fundamentals with real-world, industry-inspired projects so you understand how things actually work in companies.



Industry-Recognized Certificate

Earn a certification that validates your skills and strengthens your profile for data, ML, and AI roles.

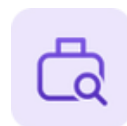


Live Interactive Classes Learn directly from industry experts through live sessions, doubt-solving, and hands-on guidance.



Job Guarantee Support

Get structured placement assistance with interview prep, referrals, and real hiring



50% Pay After Placement

Reduce upfront cost by paying 50% of the program fee only after you secure a job.

Why Choose Us

Learning Excellence

Benefits:

- ✓ Industry-aligned curriculum
- ✓ Strong foundations with real-world relevance
- ✓ 100% live instructor-led sessions
- ✓ AI & GenAI integrated approach
Tools and workflows used in industry

Career Advantage

Benefits:

- ✓ Role-focused skill development
- ✓ Portfolio & GitHub profile support
- ✓ Mock technical & HR interviews
Placement assistance & guidance
- ✓ Hands-on, project-based learning

Designed for Your Career Growth

Every module is structured to move you closer to real opportunities. From strong fundamentals to advanced AI applications, the journey focuses on practical skills, real exposure, and long-term career growth—not just course completion.

Professional Learning Journey

Month 1

Python Programming for Data Science

Develop strong programming fundamentals using Python, starting from basic to advanced concepts. Learn variables, functions, loops, and conditions to build structured and logical programs. Understand object-oriented programming to organize code efficiently, along with file handling and exception handling to manage real-world data and errors.

Industry Project

Automated Data Processing & Validation System

Build a Python-based system to automate the ingestion and validation of daily operational data. Implement logging, error handling, and reporting to ensure reliable and accurate data processing.

Inspired by:  

Tools You learn



Roles Prepared For

- Junior Data Analyst
- Python Developer

Professional Learning Journey

Month 2

Data Structures & Algorithms

Learn the core data structures and algorithms required to build efficient and scalable applications. This module covers arrays, linked lists, stacks, and queues to understand how data is organized and managed. Develop problem-solving skills using searching and sorting algorithms, recursion, and greedy algorithms.

Industry Project

Optimized Transaction Processing Engine

Design efficient data structures and algorithms to handle and process high-volume transaction data, focusing on performance and scalability.

Inspired by: **amazon**

Flipkart 

Tools You learn



Roles Prepared For

- Software Engineer
- Backend Developer

Professional Learning Journey

Month 3

Math & Statistics for ML & DL

Build a strong mathematical and statistical foundation essential for machine learning and deep learning. Learn linear algebra concepts including vectors, matrices, and eigenvalues to understand how data is represented and transformed. Understand probability, distributions, and statistical methods to analyze data effectively.

Industry Project

A/B Testing & Feature Impact Analysis

Measure the impact of product features using statistical testing methods. Apply hypothesis testing, correlation, and regression techniques to analyze user behavior and evaluate feature performance using real-world analytics

Inspired by: **NETFLIX**  **Swiggy**

Roles Prepared For

- Data Analyst
- Product Analyst

Professional Learning Journey

Month 4

Data Wrangling & Visualization

Learn how to prepare, clean, and analyze raw data using industry-standard tools and techniques. Work with Pandas and NumPy to perform data manipulation and exploratory data analysis (EDA). Understand how to handle missing values, outliers, and duplicates to ensure data accuracy and reliability. Apply feature engineering techniques and create meaningful visualizations

Industry Project

Executive Analytics Dashboard

Transform raw enterprise data into structured, decision-ready dashboards. Clean, analyze, and visualize data to present meaningful insights that support business decision-making.

Inspired by: **Deloitte.** **EY**

Tools You learn



pandas



NumPy

matplotlib



seaborn



plotly

Roles Prepared For

- Business Analyst
- Data Analyst

Professional Learning Journey

Month 5

Databases, SQL & BI

Develop the skills required to store, manage, and analyze structured data using relational databases and SQL. Learn essential SQL concepts including joins, subqueries, and window functions to extract and analyze data efficiently. Work with Excel and Google Sheets for data handling and reporting, and use Power BI or Tableau to create interactive dashboards. Understand how to integrate Python with SQL to perform data analysis

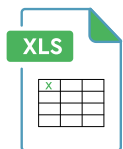
Industry Project

Sales & Revenue Intelligence System

Build SQL-driven dashboards to analyze sales performance and generate key performance indicators (KPIs). Work with structured data to create reports that support business monitoring and decision-making.

Inspired by:  

Tools you learn



Roles Prepared For:

- BI Analyst
- Reporting Analyst

Statistics

Professional Learning Journey

Month 6

Core Machine Learning

Learn the fundamental concepts of machine learning, including supervised and unsupervised learning techniques used for prediction and pattern discovery. Understand algorithms such as linear regression, logistic regression, decision trees, and random forest for building predictive models. Explore SVM, KNN, and Naive Bayes to solve classification and analytical problems.

Industry Project

Customer Segmentation Model

Build machine learning models to identify customer segments and predict prices using structured data. Apply machine learning algorithms and evaluation techniques to analyze patterns and generate accurate predictions.

Inspired by: **amazon** **NETFLIX**

Roles Prepared For

- ML Engineer
- Data Scientist

Professional Learning Journey

Month 7

Deep Learning & Neural Networks

Learn the fundamentals of deep learning and understand how neural networks are used to solve complex data problems. Explore artificial neural networks (ANN), activation functions, and loss functions to understand how models learn from data. Understand backpropagation and gradient descent for model training and optimization.

Industry Project

Customer Churn Prediction using ANN

Build deep learning models to predict customer churn and classify images using neural networks. Apply deep learning techniques to analyze data and generate accurate predictions and classifications.

Inspired by: **amazon** **Deloitte.**

Tools you learn

 TensorFlow



Roles Prepared For

- ML Engineer
- Data Scientist

Professional Learning Journey

Month 8

Advanced Deep Learning & Generative AI

Learn advanced deep learning techniques including convolutional neural networks (CNNs), recurrent neural networks (RNNs), and LSTMs to work with complex data patterns. Understand transfer learning to reuse pre-trained models for efficient learning. Explore Generative AI fundamentals and prompt engineering to build AI-powered solutions. Work with OpenAI API, LangChain, and Hugging Face

Industry Project

Recommendation System using Deep Learning

- **GenAI-Powered Customer Support Assistant**

Build deep learning models for recommendation systems and develop Generative AI-powered assistants to automate customer support and interaction.

Inspired by:  **NETFLIX**

Tools you learn



OpenAI



LangChain



Hugging Face

Roles Prepared For

- GenAI Engineer
- Applied AI Engineer

Statistics

DOMAIN-SPECIFIC PROJECT

DURATION 2 HRS

FINANCE DOMAIN

Apply your complete learning to build an industry-level capstone project based on real business use cases. This project demonstrates your ability to work with data, machine learning, deep learning, and Generative AI to develop practical, real-world solutions. It becomes a key part of your professional portfolio.

Inspired by: **Deloitte.**  **NETFLIX**  Microsoft

Industry-Level Project Experience

Projects are designed to give you real, hands-on experience in solving practical data and AI problems. You will work with real datasets, apply industry-standard techniques, and build solutions that reflect actual professional workflows. This experience helps you develop technical confidence and prepares you to handle real-world responsibilities in data and AI roles.

AI-Powered Business Intelligence Platform

Develop an intelligent platform that transforms raw business data into meaningful insights to support strategic decision-making. This project focuses on analyzing structured data, generating performance insights, and presenting information in a clear and actionable format.

- Transform raw data into decision-ready insights
- Apply data analysis and intelligent processing techniques
- Create a portfolio-ready industry-level project

End-to-End Recommendation Engine (ML + DL)

Build a recommendation system that analyzes user behavior and patterns to deliver personalized recommendations. This project demonstrates how machine learning and deep learning are used to enhance user experience and engagement in real-world applications.

- **Develop intelligent recommendation systems**
- **Apply machine learning and deep learning concepts**
- **Analyze patterns and generate personalized outputs**
- **Showcase advanced AI implementation skills**

Enterprise GenAI Assistant (LLMs + LangChain)

Create a Generative AI-powered assistant capable of understanding queries and generating intelligent responses. This project focuses on building AI-driven systems using modern large language model frameworks to support business tasks and automation.

- **Build real-world Generative AI applications**
- **Work with modern LLM and AI frameworks**
- **Develop intelligent query and response systems**
- **Demonstrate future-ready AI development skills**

Projects Inspired by top Companies

Infosys

NETFLIX

Microsoft

tcs Tata
Consultancy
Services

genpact

Google

Cognizant

IBM

Deloitte.

Real-World **Industry Skills**

Data Analysis & Business Insights



Analyze real-world datasets to identify trends, patterns, and actionable insights used in business decision-making.

Tools:  python  NumPy

Outcome: Improved decision-making through accurate data insights and reporting.

Machine Learning Model Development

Build predictive models to solve business problems such as forecasting, classification, and recommendation systems.

Tools:  TensorFlow  python

Outcome: Streamlined supply chain processes, reduced operational costs, and improved product availability.

Data Processing & Automation

Work with structured data, automate workflows, and efficiently process large datasets.

Tools:  MySQL  OpenAI

Outcome: Faster data processing and reliable automated data workflows.

Generative AI & Intelligent Systems

Develop AI-powered applications capable of understanding queries and generating intelligent responses.

Tools:  OpenAI  Hugging Face

Outcome: Faster time-to-market for new drugs and significant cost savings in research and development.

Real-World **Industry Skills**

Automated Data Processing & Validation

Automate ingestion, validation, and processing of operational data using structured workflows and error handling.

Tools:  python  pandas

Outcome: Reliable automated data pipelines with accurate and consistent data processing.

Executive Dashboard & Business Reporting

Transform enterprise data into structured dashboards to monitor KPIs and support business decisions.

Tools:  + a b l e a u  python

Outcome: Clear business insights through interactive dashboards and visual reporting.

Predictive Modeling & Data Analysis

Build predictive models to analyze patterns and generate forecasts using machine learning techniques.

Tools:  NumPy  pandas

Outcome: Faster data processing and reliable automated data workflows.

Generative AI Application Development

Develop AI-powered systems capable of understanding queries and generating intelligent responses.

Tools:  OpenAI  LangChain

Outcome: Faster time-to-market for new drugs and significant cost savings in research and development.

Top Placed Learners



Khushi Juneja



Harshit Mishra



Shiv Chetan

Your story could be next

<p>Sathya Cloud Computing</p> <p>SAN Storage Specialist </p> <p>IBM</p> <p>Manager - Software Engineer</p> <p>DELL EMC</p>	<p>Kurian Just Artificial Intelligence & Machine Learning Professional</p> <p>33% hike</p> <p>Lead </p> <p>Fidelity Investments</p> <p>Associate Consultant - ML</p> <p>tcs</p>	<p>Ganesh Agarwal Cloud Computing</p> <p>Senior Engineering Manager </p> <p>Walmart Global Tech</p> <p>Software Development Manager</p> <p>aws</p>	<p>Ajay Suresh Kini Artificial Intelligence & Machine Learning Professional</p> <p>Senior Engineer </p> <p>Ford</p> <p>Analyst</p> <p>Deloitte Consulting</p>
---	--	--	--

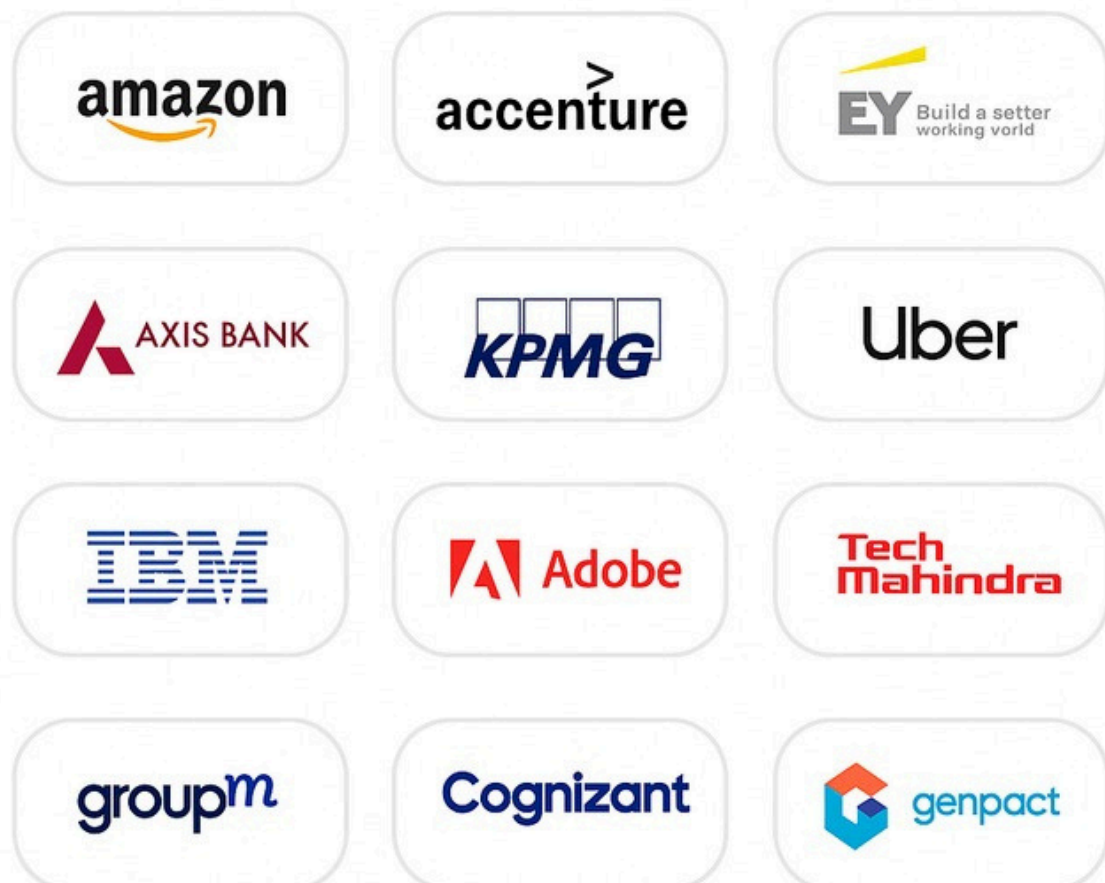
<p>Sathya Cloud Computing</p> <p>SAN Storage Specialist </p> <p>IBM</p> <p>Manager - Software Engineer</p> <p>DELL EMC</p>	<p>Kurian Just Artificial Intelligence & Machine Learning Professional</p> <p>33% hike</p> <p>Lead </p> <p>Fidelity Investments</p> <p>Associate Consultant - ML</p> <p>tcs</p>	<p>Ganesh Agarwal Cloud Computing</p> <p>Senior Engineering Manager </p> <p>Walmart Global Tech</p> <p>Software Development Manager</p> <p>aws</p>	<p>Ajay Suresh Kini Artificial Intelligence & Machine Learning Professional</p> <p>Senior Engineer </p> <p>Ford</p> <p>Analyst</p> <p>Deloitte Consulting</p>
---	--	--	--

<p>Aggya Artificial Intelligence & Machine Learning</p> <p>47% hike</p> <p>Senior Software Consultant </p> <p>QVALE</p> <p>Associate Consultant</p> <p>fractal</p>	<p>Ajit Muthunaryanan S Data Science</p> <p>32% hike</p> <p>Digital Content Associate </p> <p>amazon</p> <p>Business Analyst</p> <p>HCL</p>	<p>Siddharth Shinde Data Science</p> <p>30% hike</p> <p>Process Associate </p> <p>genpact</p> <p>Data Analyst</p> <p>DELL</p>	<p>Anirban Datta Artificial Intelligence & Machine Learning</p> <p>32% hike</p> <p>Data Scientist and Lead NPD </p> <p>prismo.ai</p> <p>Senior Technology Consultant</p> <p>EY</p>
---	--	--	---

Sample Certificate



Our Hiring Partners



Course Fees & Payment Options

Build Your Career in Data Analytics with Gen AI



Data Analytics with Gen AI

Total Program Fees

₹60,000

Payment Structure

Enrollment Amount (Deductible)

₹5,000

Before Placement

₹30,000

After Placement

₹30,000

✓ Pay After Placement ✓ EMI Options Available

Just Pay **₹5,000**


Upfront To Secure Your Seat



Thank you!

For more queries and information
please reach out to us at:

 **+91-8601686504**

Visit us at
 **aiskillslab.in**

Find Us

