

# **Data Science and Artificial Intelligence Certificate Course**

Unlocking Your Full Potential in  
the Digital Education Era.

[www.salientlearnings.com](http://www.salientlearnings.com)

[info@salientlearnings.com](mailto:info@salientlearnings.com)





# Key Statistics

As Data Science and AI continue to transform industries worldwide, the market is experiencing exponential growth. Organizations across sectors are investing heavily in AI adoption, automation, and data-driven decision-making—creating unprecedented opportunities for skilled professionals. These statistics highlight why upskilling in this field is one of the smartest career moves today.



## ✓ Surging Industry Growth

- AI & Data roles growing 30%+ YoY
- Global AI market to exceed \$1T by 2030



## ✓ Data-Driven Business

- 80% of companies rely on data for decision-making
- Analytics boosts performance by 5–10x



## ✓ Career Opportunity

- 11M+ new AI & Data jobs expected globally
- DS & AI roles rank in the Top 10 fastest-growing careers



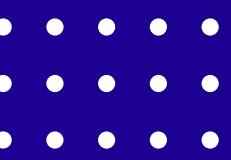
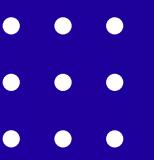
## ✓ Higher Salaries

- Certified professionals earn 20–40% more
- AI/ML engineers among the highest-paid tech roles

# Essential Skills for Data Science & AI

In a world increasingly shaped by intelligent systems, mastering the core skills of Data Science and AI empowers individuals to solve complex problems, automate workflows, and drive meaningful innovation. Whether you're entering the field or advancing your career, these foundational skills unlock limitless opportunities in the tech-driven future.

-  **Strong Analytical & Statistical Foundation**
-  **Programming & Machine Learning Expertise**
-  **Data Storytelling & Problem-Solving**



# Salient Learnings

## Your Ideal Learning Partner



### Mentor-Led Guidance

Learn directly from industry practitioners who simplify complex concepts and accelerate skill growth.

### Adaptive Learning Paths

Personalized modules tailored to each learner's pace, goals, and strengths.

### Hands-On, Experiential Learning

Work on real datasets, industry projects, and AI-driven tasks that simulate actual workplace scenarios.

### Collaborative Community Culture

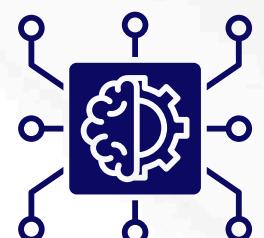
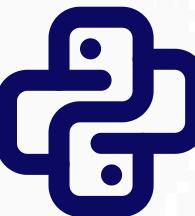
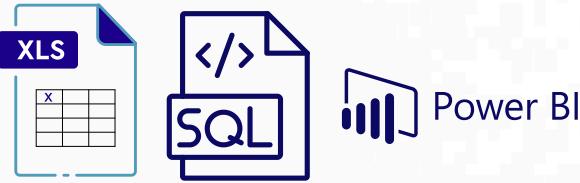
Engage with peers, mentors, and experts in an interactive environment that promotes discussion, creativity, and innovation.



# Data Science & GenAI Course

- Master Excel, SQL & Python for data analysis and automation.
- Analyze and visualize data using Power BI/Tableau & EDA techniques.
- Learn core statistics and build foundational machine learning models.
- Understand deep learning, NLP, and real-world AI applications.
- Work with generative AI, LLMs, prompt engineering & RAG workflows.
- Build real projects, including an AI chatbot and a capstone portfolio.
- Become job-ready for business analyst, data analyst & AI-assisted roles.
- Build skills for AI Engineer, ML Engineer & Junior Data Scientist positions.

# Core Data Science Foundations



## Data & Analytics Fundamentals

- Excel for data cleaning, analysis & dashboards
- SQL for querying and managing data
- Power BI / Tableau for visualization & storytelling



## Python for Data Science

- Python basics: variables, loops, functions
- NumPy & Pandas for data manipulation
- Matplotlib/Seaborn for visual insights



## Statistics & EDA

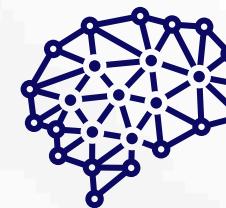
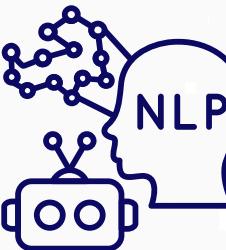
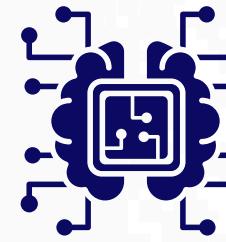
- Descriptive statistics, distributions, probability
- Hypothesis testing
- Exploratory Data Analysis on real datasets



## Machine Learning Essentials

- Regression & Classification models
- Model evaluation metrics
- Feature engineering & data preprocessing

# AI, GenAI & Real-World Applications



## Advanced ML & Time Serie

- Decision Trees, Random Forest, XGBoost
- Clustering (KMeans, PCA)
- Time Series forecasting (ARIMA, SARIMA, ML-based)



## Deep Learning & NLP

- Neural networks, CNN/RNN fundamentals
- Text preprocessing & NLP basics
- Sentiment analysis & text classification



## GenAI & LLMs

- Transformers & how LLMs work
- Prompt engineering
- Fine-tuning basics (LoRA/QLoRA)
- RAG workflows & practical GenAI use cases



## Projects & Deployment

- ML/DL mini projects
- Build a functional AI Chatbot
- Capstone project + portfolio creation

## Crash Course

Fast-paced, beginner-friendly

**INR 3000/-**

### What included

- ✓ 2 Months Duration
- ✓ Course Completion Certificate
- ✓ Job-ready for Analyst Assistant roles
- ✓ 2–3 mini projects

## Certificate program

Moderate depth & structured

**INR 6500/-**

### What included

- ✓ 4 Months Duration
- ✓ Professional Certification
- ✓ Job-ready for Data Analyst & ML Trainee roles
- ✓ 4–6 practical projects

## Diploma Program

Advanced, in-depth, industry-ready

**INR 9000/-**

### What included

- ✓ 7 Months Duration
- ✓ Dual Certification + Internship Letter
- ✓ Job-ready for Analyst Assistant roles
- ✓ 10+ projects + Capstone + AI Chatbot

# Maximizing Engagement with Salient Learnings our Online Course

Salient Learnings is designed to keep learners motivated, active, and fully involved throughout their Data Science & GenAI journey. By blending personalized guidance, practical application, and a collaborative community, the platform ensures that every learner stays engaged and progresses with confidence from start to finish.

- ✓ **Personalized learning paths with mentor-led guidance**
- ✓ **Hands-on projects using real-world datasets**
- ✓ **Active peer community for discussions and support**
- ✓ **Continuous assessments and milestone tracking for motivation**



# Salient Learnings

## Your Ideal Learning Partner



### Placement Assistance

Get structured career support, interview guidance, and access to job opportunities.

### LMS Support

Access all learning materials, assignments, and progress tracking in one seamless platform.

### Affordable Pricing

Gain industry-ready skills without heavy financial burden.

### Feasible Payment Options

Choose flexible payment plans that make your upskilling journey easier and stress-free.

# Feel Free to Contact Us

Whether you're exploring our programs, seeking clarity about the learning journey, or looking for personalized recommendations, our team is always here to help. Reach out anytime—we're committed to ensuring you have a smooth and rewarding experience with Salient Learnings.



+91-9966357297



@ [info@salientlearnings.com](mailto:info@salientlearnings.com)



KPHB, Hyderabad

