DATA SCIENCE

with Gen AI, Agentic AI, MLOps & Cloud AI

PYTHON for AI (Include EDA) — **45-50 Sessions**

Data Visualisation (PowerBI / Tableau) — **10 Sessions**

Machine Learning — **35-40 Sessions**

Introduction to Advanced AI (Gen AI, Agentic AI, Open AI, LLM, RAG, Prompt Engineering) — **25 Sessions**

Deep Learning (Include NLP, CV, Reinforcement Learning etc) — **30 Sessions**

Introduction to MLOps & Cloud AI Tools — **15 Sessions**

Data Base SQL & NoSQL — **25-30 Sessions**

- Lab Assignments After Every Session
- POCs After Every Topic
- Capstone Projects After Every Module
- Auto-Evaluation System
- AI-Enabled Performance Tracking

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KEY HIGHLIGHTS

Full-Stack AI Training from Basics to GenAI & MLOps

Master the entire AI journey – from Python, Machine Learning, Deep Learning, to cutting-edge Generative AI (LLMs, Agents, RAG) and real-world MLOps workflows.

- Covers everything from fundamentals to deployment
- Designed for both beginners and intermediate learners
- Learn to build, fine-tune, and deploy real-world AI systems

Cloud AI & MLOps with Industry Tools

Get hands-on with tools like MLflow, Docker, GitHub Actions, SageMaker, and Vertex AI to build production-ready ML pipelines.

- Practical MLOps training (CI/CD, monitoring, scaling)
- Real-world deployment scenarios
- Cloud-native model management

Learn and Build with Generative AI & LLMs

Work with OpenAI, Hugging Face, LangChain, and fine-tune LLMs using QLoRA,

- Prompt Engineering, LLM applications
- Chatbot, content generation, code assistants
- Introduction to Agentic AI (AI that can act autonomously)

Project-Based Curriculum with Career Readiness

Complete the program with 6+ real-world projects and a capstone portfolio to showcase your skills to employers.

- Resume-ready AI & GenAI projects
- Career support and portfolio guidance
- Certification upon successful completion

Real Skills for the AI Era – Powered by Hands-On Learning

With AI evolving rapidly, only those with real implementation skills will thrive. That's why our program emphasizes hands-on learning at every step:

- Lab Assignments after every session for continuous skill building
- POCs (Proof of Concepts) after every topic to develop functional mini-projects
- Capstone Projects after every module to strengthen portfolios with end-to-end applications