QUANTUM-AI
THE SCHOOL OF DATA AND AI

DATA SCIENCE + GENERATIVE AI

Industry-Ready Program by **QuantumAI**

Learn the most in-demand skills in Data Science, Machine Learning, and Generative AI with hands-on tools, real-world projects, and career-focused training.



WHY QUANTUMAI?

QuantumAI delivers a practical, job-focused curriculum with hands-on projects using real datasets. Led by industry experts, the program provides exposure to modern tools and cloud technologies,

PROGRAM OVERVIEW

This program covers the **complete data lifecycle** — from data handling and analysis to machine learning, deployment, and Generative AI models.

TOOLS & TECHNOLOGIES

- Excel
- SQL & MySQL
- Python
- Power BI
- Machine Learning
- Generative AI
- Git & MLOps



CURRICULUM HIGHLIGHTS

Excel for Data Analysis

- Data entry, formatting & validation
- Logical functions, formulas & lookups
- Conditional formatting & charts
- Pivot tables & dynamic dashboards
- Data visualization best practices

SQL & Database Management

- DBMS fundamentals
- SQL queries (DDL, DML, DQL)
- Joins, constraints & functions
- Views & stored procedures
- Python–SQL connectivity

Power BI

- Data modeling & transformations
- DAX calculations
- Interactive dashboards & reports
- Power BI services & insights

Python Programming

- Python fundamentals & OOP concepts
- Data handling & database connectivity
- NumPy, SciPy & Pandas
- Data visualization with Matplotlib
- Exception handling

Statistics & Mathematics

- Descriptive & inferential statistics
- Probability concepts
- Linear algebra essentials

Machine Learning

- Supervised & unsupervised learning
- Regression & classification models
- Clustering & dimensionality reduction
- Model evaluation & performance metrics

Generative AI

- LSTM & Transformers
- BERT, GPT & LLMs
- NLP fundamentals
- Generative AI workflows

MLOps & Deployment

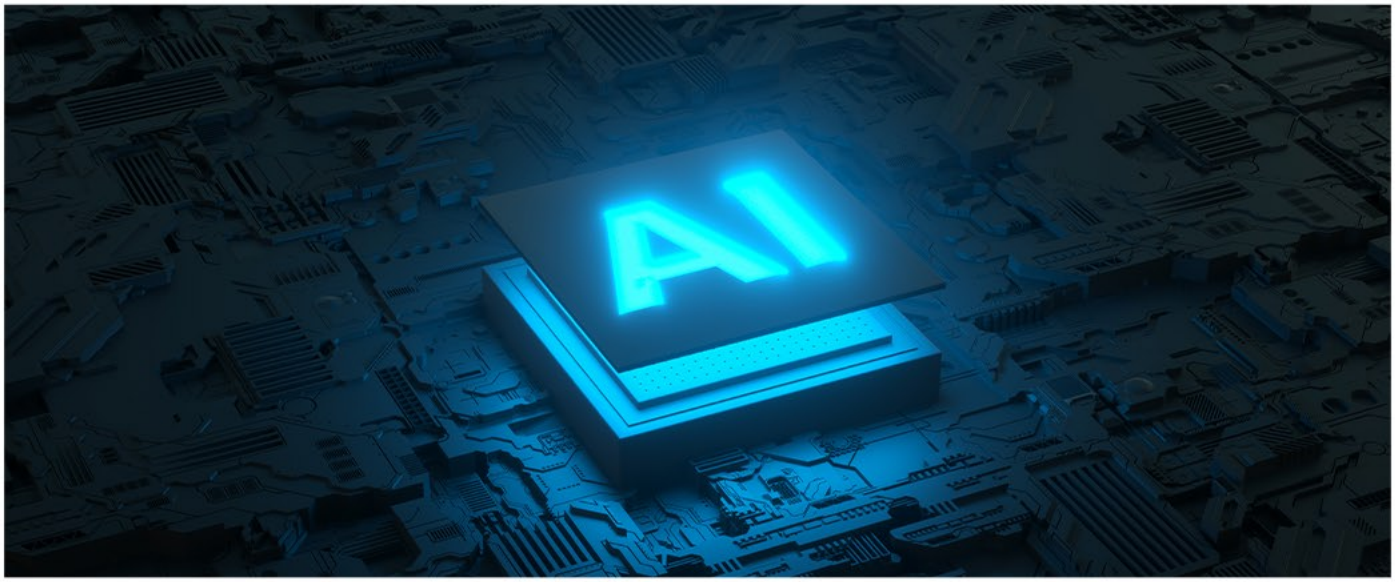
- Model deployment basics
- Cloud integration
- Version control with Git
- End-to-end ML pipelines

SKILLS YOU WILL MASTER

- Python Programming
- Data Analysis & Visualization
- Machine Learning Algorithms
- Generative AI & NLP
- SQL & Data Wrangling
- MLOps & Model Deployment
- Storytelling with Data

WHO SHOULD ENROLL

- Students & fresh graduates
- Working professionals
- Career switchers
- Anyone interested in AI & Data Science



START YOUR AI JOURNEY

Get in Touch

09870400650 info@quantumaico.com www.quantumaico.com

2nd Floor, Old dlf, C-1B, near Dr Lal Pathlabs, South City, Block C,
Old DLF Colony, Sector 14, Gurugram, Haryana 122001