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**www.arisinfo.in**



**ARIS**  
AI Data Analyst

# TRAINING PROGRAM DATA ANALYTICS & AI

Best Online Platform To Study Data Analytics

## Duration

6 Weeks  
2 Hours Daily



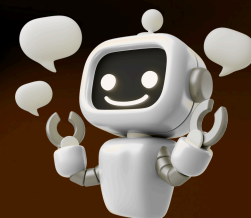
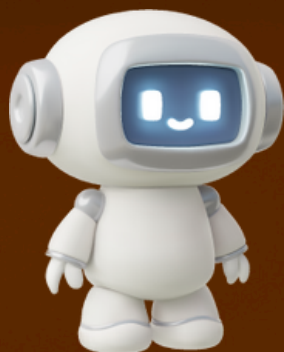
## Program Format

Online Classes  
& Self Paced  
Videos



## Learning

30+ Tools  
& Projects



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# TREND IN DATA ANALYTICS & AI

Data Analytics and AI are reshaping industries by turning raw data into actionable insights. The latest trend is the shift from descriptive analytics (what happened) to predictive and prescriptive analytics (what will happen and what should be done). With the rise of Generative AI, automation, and real-time analytics, companies are now able to make faster, smarter, and more data-driven decisions.

## WHY AI DATA ANALYSTS ARE IMPORTANT?

An AI Data Analyst is crucial because they bridge the gap between business needs and AI-powered insights. They not only analyze data but also leverage AI tools to detect patterns, forecast trends, and optimize decision-making. This helps companies:

### Improve Efficiency

by Automating Repetitive Analysis

### Reduce Risks

with Accurate Predictions

### Boost growth

by identifying hidden opportunities

### Stay competitive

in a fast-evolving digital economy

According to the World Economic Forum (WEF) Future of Jobs Report 2025, new technologies (AI, big data, robotics etc.) are expected to create about 170 million new jobs by 2030, while displacing about 92 million roles, giving a net gain of ~78 million jobs.



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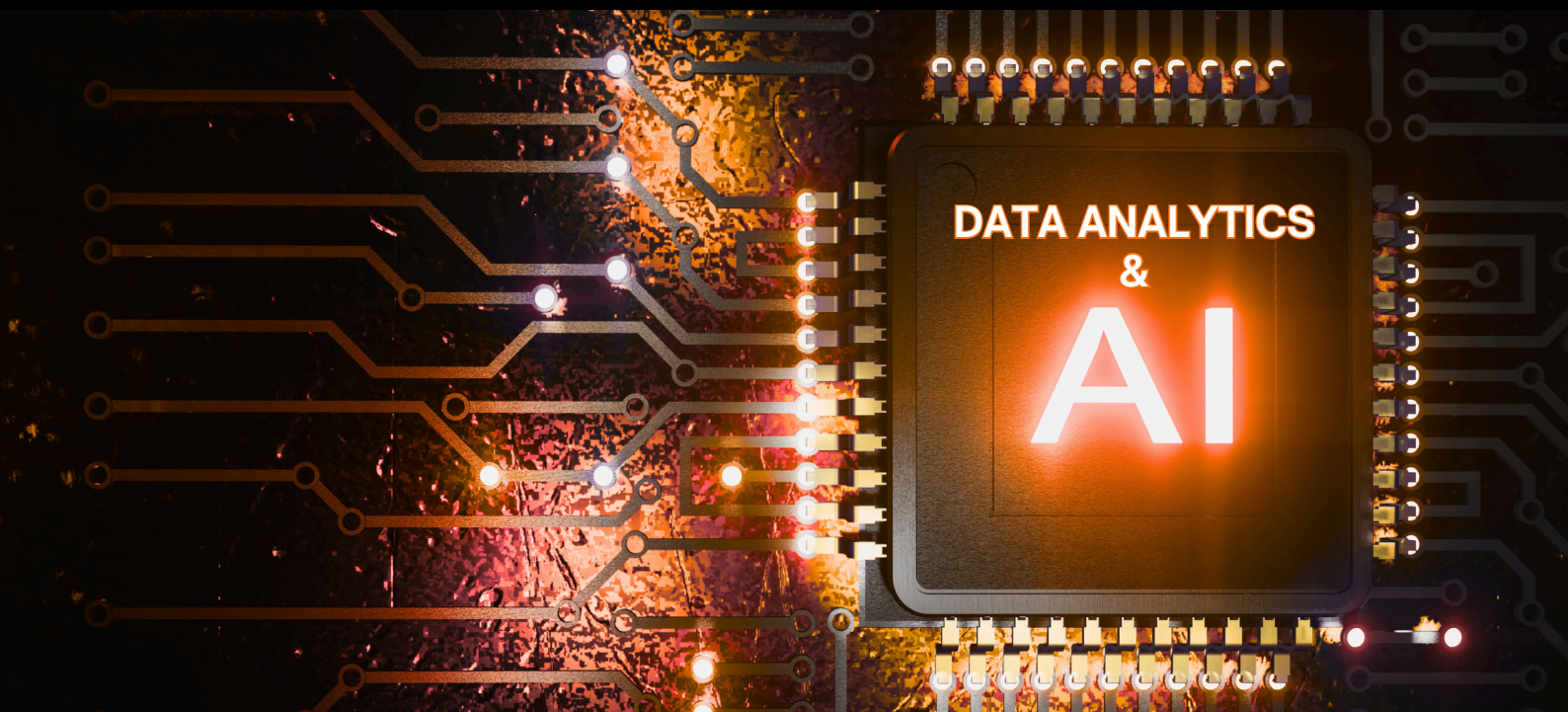
# ABOUT THE PROGRAM

**ARIS** Learning leads the way in bridging the skills gap in data science, empowering professionals through our flagship Program in Data Analytics & AI.

Designed for fresh graduates and early-career professionals (0-2 years of experience), this program equips you with analytical thinking, problem-solving, and technical expertise to excel as a Data Analytics & AI Professional.

## NO PROGRAMMING EXPERIENCE? NO PROBLEM!

We guide you from the basics to proficiency in Advanced Excel, SQL & Database, Power BI, Python, Statistics, Machine Learning, and using Gen AI tools to help you develop Insights.



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# KEY HIGHLIGHT IN PROGRAM



## INDUSTRY-ALIGNED CURRICULUM

Learn Advanced Excel, Power BI, SQL & Database, Python, ML, and Gen AI-based applications.



## Interactive Learning Experience

Join live, interactive sessions and collaborate with peers whether you're learning Online or Self Paced.



## Hands-on Learning

Apply concepts through real-world projects in a practical manner.



## Built for Career Success

Become part of our growing alumni network, excelling in data careers.



## Advanced Data Science Internship

Get industry-relevant data science experience with hands-on internships.





# KEY WORKFLOW STAGES

A clear overview of essential steps to process and analyze data effectively.

## Data Collection

Gather structured and unstructured data from various sources.



## Data Cleaning

Remove duplicates and errors to ensure accuracy and consistency.



## Data Analysis

Apply statistical methods to identify patterns and correlations.



## Decision Support

Deliver insights to stakeholders for informed strategic actions.



## Insight Generation

Translate analytical results into clear, useful observations.







# PROGRAM CURRICULUM

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★ ★ ★  
**Data Analytics & AI Journey**

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Begin learning instantly after signing up — No Delays.

- **Develop an analytical mindset with Excel, Python, Power BI, and databases.**
- **Dive into Prompt Engineering and Exploratory Data Analysis (EDA).**
- **Discover how businesses use data to make real decisions through case studies.**
- **Enhance your data storytelling and sharpen your problem-solving skills.**

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★ ★ ★  
**Foundations of Data & AI**

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1

Foundation of Data & AI Awareness builds basic understanding of data and artificial intelligence. It explains how data drives AI systems and real-world applications. Learners gain awareness of AI's benefits, risks, and ethical use.

- **Understand the core of Data and AI with real-world applications.**
- **Learn how AI and GenAI are transforming businesses across industries.**
- **Explore analytics with tools like ChatGPT, Gemini, and Copilot.**
- **Build a strong data mindset by mastering types, formats, and context.**
- **Get hands-on with the basics of prompt engineering for AI-powered tools.**

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★ ★ ★  
**Advanced Excel for Data Analysis**

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2

Excel is a powerful tool for data analysis that allows users to organize, clean, and manipulate datasets using formulas, tables, and pivot tables. It provides built-in statistical, mathematical, and visualization functions to identify trends and patterns quickly. With features like Power Query, charts, and add-ins, Excel supports both basic and advanced analytics without requiring programming skills.

- **Master Excel functions: VLOOKUP, IF, INDEX-MATCH, Dget.**
- **Clean, validate & transform raw data.**
- **Create Pivot Tables, dashboards & KPI reports.**
- **Use ExcelGPT & ChatGPT to generate formulas/macros.**
- **Mini Project: Restaurant Data Analysis with AI.**





# PROGRAM CURRICULUM

## SQL & Database

3

SQL & Databases focuses on storing, querying, and managing data in databases. It enables extracting, filtering, and combining information efficiently. Users gain skills to handle structured data for analysis and decision-making.

- **Learn SQL basics: SELECT, JOINS, Aggregations.**
- **Create databases, tables & E-R diagrams.**
- **Optimise queries with AI tools like ChatGPT.**
- **Use GenAI for query generation & debugging.**
- **Mini Project: Instagram Engagement Analysis.**

## Power BI For Data Visualizations

4

Power BI for Data Visualization helps turn raw data into interactive dashboards and reports. It allows users to connect multiple data sources and create meaningful visuals. With easy sharing and insights, it supports better decision-making.

- **Import & transform data using Power Query & Joins.**
- **Build data models & define relationships.**
- **Create Visuals: Bar, Line, Maps, KPI Cards.**
- **Write formulas using DAX & Tableau Calculations.**
- **Design interactive dashboards with Filters & Drilldowns.**
- **Publish & share reports across teams.**
- **Generate Insight Narratives using GenAI using Copilot.**
- **Natural Language Queries (Q&A) & AI Chart suggestions.**

## Statistical Analysis

5

Statistical Analysis involves collecting, organizing, and interpreting data to find patterns.

- **Collects and organizes data for meaningful interpretation.**
- **Uses descriptive measures like mean, median, and variance.**
- **Applies inferential methods to test hypotheses and predict outcomes.**
- **Supports decision-making by identifying trends and relationships.**





# PROGRAM CURRICULUM

## Python For Data Analysis

6

Python for Data Analysis provides tools to clean, process, and explore data efficiently. It uses libraries like Pandas, NumPy, and Matplotlib for analysis and visualization. Python helps uncover insights and build data-driven solutions easily.

- **Python essentials: data types, functions, lists.**
- **Manipulate data with NumPy & Pandas.**
- **Visualise insights using Matplotlib, Seaborn.**
- **Use Copilot to debug, refactor & generate code.**
- **Mini Project: Construction Project Analysis.**

## Machine Learning

7

Machine Learning for AI Data Analysts enables predictive modeling and pattern recognition. It applies algorithms to uncover insights from large datasets. This supports automation and smarter data-driven decisions.

- **Uses Python libraries like Scikit-learn, TensorFlow, and Keras to build ML models.**
- **Helps analyze patterns, trends, and predictions from data.**
- **Covers supervised and unsupervised learning techniques.**
- **Automates data-driven decision-making with predictive insights.**
- **Enhances analytical skills by applying AI to real-world datasets.**

## Generative AI For Data Professionals

8

Generative AI helps data professionals create synthetic data, reports, and insights efficiently. It automates repetitive tasks and enables natural language interaction with data. By boosting productivity, it supports smarter and faster decision-making.

- **Learn about LLMs & their applications.**
- **Use tools like ChatGPT, Bard, Claude, and Copilot.**
- **Automate summaries, reports & translations.**
- **Build AI chatbots using RAG & storytelling bots.**
- **Create auto-insight generators.**







# PROGRAM CURRICULUM

## Projects For Data Analytics & AI

9

Projects in Data Analytics & AI give hands-on experience with real-world data. They help apply concepts like visualization, machine learning, and prediction. Such projects build problem-solving skills and strengthen professional portfolios.

- **Sales Forecasting** – Use historical data to predict future sales trends.
- **Customer Segmentation** – Clustering to group customers by behavior.
- **Churn Prediction** – Build models to identify customers likely to leave.
- **Sentiment Analysis** – Analyze social media or reviews using NLP.
- **Fraud Detection** – Use anomaly detection to spot unusual transactions.
- **Recommendation System** – Suggest products on user data.
- **Healthcare Analytics** – Predict diseases from medical data.
- **Dashboard Creation** – Build interactive dashboards with Power BI.

# TOOLS AND TECHNOLOGIES





## INDUSTRY-READY SKILLS FOR YOUR CAREER GROWTH



### Career Guidance

Get personalised guidance and actionable plans designed to help you move your career forward with clarity and confidence.



### Aptitude Training

Excel in employer aptitude tests with our targeted problem-solving training.



### Build your proof of Work

Build a standout portfolio to differentiate yourself from prospective employers.



### Interview Preparation

Learn to crack interviews with mock sessions and expert feedback.



### Job Placement Assistant

Get a minimum of 10 interview opportunities to kickstart your career.





## ROLES YOU CAN STEP INTO

**15K +**  
Job Opening

### **Data Analyst**

Translates complex data into strategic insights, using BI tools to support decision-making and streamline business operations.

**12K +**  
Job Opening

### **Research Analyst**

Analyses market and financial data, employing quantitative skills to summarise findings for project alignment.

**17K +**  
Job Opening

### **Analytics Manager**

Designs and oversees efficient strategies for data collection, research, and analysis, and implements analytics solution.

**10K +**  
Job Opening

### **AI Data Analyst**

Analyzes complex datasets using AI and machine learning techniques to generate actionable insights.

**5K +**  
Job Opening

### **Cheif Data Officer**

Oversees data analytics, AI integration, and ensures data-driven decision-making across all business units.

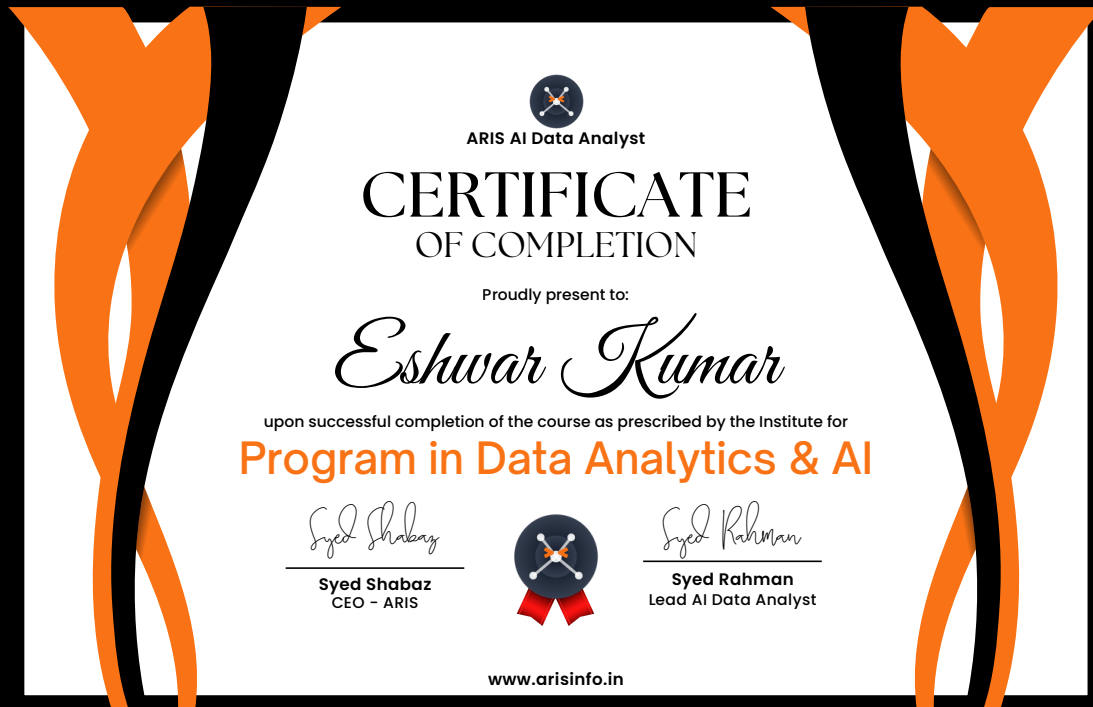




**ARIS**  
AI Data Analyst

"Human + AI = Super Intelligence Analytics"

# PROGRAM CERTIFICATION



**PROGRAM  
FEE JUST:**

**INR  
10,000**

**ONLY!**

**FOR MORE INFORMATION, CONTACT US:**



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