

Financial Analyst Using AI Tools

Course Outline:

Module 1: Introduction to AI in Finance

- Overview of AI, ML, and data science in finance
- Types of AI tools used in financial services
- Benefits and limitations of AI in finance
- Use cases: Portfolio optimization, fraud detection, sentiment analysis
- Ethical and regulatory considerations

Module 2: Data Collection, Cleaning & Visualization with AI

- Collecting financial data from structured and unstructured sources
- Using AI for data cleaning and anomaly detection
- Automating data pipelines (e.g., Power Query, Python basics)
- AI-powered dashboards and storytelling with data
- Case Study: Cleaning and visualizing market data

Module 3: Forecasting and Predictive Analytics

- Time series forecasting concepts
- Using AI models for revenue, cost, and stock price forecasting
- Introduction to regression, ARIMA, and LSTM models
- Comparing AI vs traditional forecasting methods
- Case Study: Predicting cash flows or stock prices

Module 4: Risk Assessment and Fraud Detection Using AI

- Identifying and quantifying financial risks
- Machine learning models for risk scoring

EXPERT

EXPERT & PROFESSIONAL EXCELLENCE FOR TRAINING & CONSULTATIONS

- Anomaly detection techniques for fraud
- Real-time monitoring using AI dashboards
- Case Study: Credit risk scoring and transaction anomaly detection

Module 5: AI-Enhanced Decision Making and Automation

- Automating financial workflows (e.g., budgeting, variance analysis)
- Scenario planning with generative AI (e.g., ChatGPT)
- Creating and interpreting financial reports using AI
- Building AI assistants and bots for financial queries

Location	Cairo, Dubai
Start Date	03 Aug 2025
End Date	07 Aug 2025