

AI for Finance & Analytics

COURSE CONTENT

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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with leading technologies to bring world-class one-on-one and certification training. Intending to empower professionals and businesses across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training, a comprehensive learning solution with lifetime e-learning access, after-training support and globally recognized training certificates.

About Course

The AI for Finance & Analytics Training by Multisoft Systems focuses on how artificial intelligence is transforming financial planning, analysis, reporting, and operational finance activities. The course introduces participants to AI and machine learning concepts in a finance context and explores their application in forecasting, budgeting, scenario analysis, financial performance monitoring, risk assessment, fraud detection, and anomaly analysis.

Participants also gain exposure to Generative AI, large language models, AI-powered business intelligence, and automated financial insights. With emphasis on practical finance scenarios, responsible AI, governance, and implementation considerations, the training enables professionals to understand how AI-driven approaches can support efficient finance processes, improve analytical capabilities, and facilitate informed business decision-making.

Module 1: Introduction to AI in Finance & Analytics

- ✓ Evolution of finance in the AI-driven enterprise
- ✓ Artificial intelligence, machine learning, and generative AI concepts
- ✓ Role of AI in modern finance functions
- ✓ Traditional analytics vs. AI-powered analytics
- ✓ Finance processes suitable for AI adoption
- ✓ AI across record-to-report, procure-to-pay, and order-to-cash
- ✓ Opportunities and limitations of AI in finance
- ✓ Understanding human and AI collaboration
- ✓ Overview of finance AI use cases

Module 2: Finance Data Foundations for AI

- ✓ Importance of data in finance AI initiatives
- ✓ Structured and unstructured financial data
- ✓ General ledger, transactional, operational, and external data
- ✓ Data collection and integration concepts
- ✓ Data quality and consistency
- ✓ Data preparation for financial analytics
- ✓ Handling missing, duplicate, and inconsistent information
- ✓ Financial data classification and contextualization
- ✓ Master data considerations
- ✓ Data governance and lineage
- ✓ Preparing finance datasets for AI applications

Module 3: Generative AI and LLMs for Finance

- ✓ Introduction to generative AI
- ✓ Understanding large language models
- ✓ Generative AI use cases in finance
- ✓ Prompt engineering for finance professionals
- ✓ Structuring prompts for financial analysis
- ✓ Summarizing financial information
- ✓ Generating management commentary
- ✓ Extracting information from financial documents
- ✓ Question answering over finance information
- ✓ Using AI to explain financial trends and variances
- ✓ Limitations and hallucination risks
- ✓ Verification of AI-generated financial information

Module 4: AI for Financial Planning, Budgeting & Forecasting

- ✓ Role of AI in financial planning and analysis
- ✓ Traditional forecasting vs. AI-assisted forecasting
- ✓ Historical data analysis
- ✓ Revenue and expense forecasting
- ✓ Cash flow forecasting
- ✓ Demand-driven financial planning
- ✓ Driver-based forecasting concepts
- ✓ Identifying trends and seasonality
- ✓ Scenario planning using AI

- ✓ What-if analysis
- ✓ Rolling forecasts
- ✓ Forecast accuracy evaluation
- ✓ AI-assisted budget preparation
- ✓ Variance identification and explanation

Module 5: AI for Financial Reporting & Management Analytics

- ✓ AI applications in financial reporting
- ✓ Automated collection and consolidation of financial information
- ✓ Income statement analysis
- ✓ Balance sheet analysis
- ✓ Cash flow analysis
- ✓ Period-over-period performance comparison
- ✓ Actual vs. budget analysis
- ✓ Automated variance analysis
- ✓ KPI identification and monitoring
- ✓ Management reporting using AI
- ✓ AI-generated financial narratives
- ✓ Executive summaries and commentary
- ✓ Exception-based reporting
- ✓ Supporting faster period-end analysis

Module 6: AI in Accounts Payable, Accounts Receivable & Transaction Processing

Accounts Payable

- ✓ Invoice data extraction
- ✓ Invoice classification and validation
- ✓ Purchase order and invoice matching concepts
- ✓ Duplicate invoice identification
- ✓ Payment prioritization
- ✓ Exception identification
- ✓ Supplier transaction analysis

Accounts Receivable

- ✓ Customer payment behavior analysis
- ✓ Receivables aging analytics
- ✓ Payment delay prediction
- ✓ Collection prioritization
- ✓ Customer risk indicators
- ✓ Cash collection forecasting

Transaction Processing

- ✓ Automated transaction classification
- ✓ Intelligent reconciliation concepts
- ✓ Journal entry analysis
- ✓ Transaction matching
- ✓ Exception handling
- ✓ Continuous transaction monitoring

Module 7: AI for Financial Analysis & Decision Support

- ✓ AI-assisted financial analysis
- ✓ Profitability analysis
- ✓ Revenue and cost analysis
- ✓ Margin analysis
- ✓ Working capital analytics
- ✓ Cash conversion cycle analysis
- ✓ Customer and product profitability
- ✓ Cost driver identification
- ✓ Financial ratio analysis
- ✓ Trend and pattern identification
- ✓ Scenario comparison
- ✓ Decision-support models
- ✓ Translating analytical findings into business insights

Module 8: Predictive Analytics, Risk Analysis & Anomaly Detection

- ✓ Introduction to predictive analytics
- ✓ Descriptive vs. predictive analytics
- ✓ Predictive modeling concepts for finance
- ✓ Financial trend prediction
- ✓ Probability and risk scoring concepts
- ✓ Credit risk analytics
- ✓ Customer payment risk
- ✓ Liquidity and cash flow risk

- ✓ Anomaly detection in financial transactions
- ✓ Identifying unusual accounting patterns
- ✓ Outlier detection
- ✓ Fraud indicators and suspicious transactions
- ✓ False positives and model limitations
- ✓ Risk-based prioritization
- ✓ Continuous monitoring concepts

Module 9: AI-Powered Business Intelligence & Advanced Analytics

- ✓ Evolution of business intelligence with AI
- ✓ AI-assisted data exploration
- ✓ Natural language querying
- ✓ Conversational analytics
- ✓ Automated insight generation
- ✓ KPI and metric analysis
- ✓ Interactive financial dashboards
- ✓ Trend visualization
- ✓ Drill-down and root-cause analysis
- ✓ Automated alerts and exceptions
- ✓ Predictive insights within dashboards
- ✓ Generating analytical narratives
- ✓ Self-service analytics for finance teams
- ✓ Connecting financial and operational insights

Module 10: Finance Copilots, Intelligent Assistants & Workflow Automation

- ✓ Introduction to AI copilots
- ✓ Finance copilot concepts and architecture
- ✓ Conversational interfaces for finance
- ✓ Finance question-answering assistants
- ✓ AI-assisted reporting workflows
- ✓ Automated document and data summarization
- ✓ Intelligent workflow automation
- ✓ Combining AI with business rules
- ✓ Approval and exception workflows
- ✓ Human-in-the-loop processes
- ✓ AI agents and agentic workflow concepts
- ✓ Multi-step finance task automation
- ✓ Controls for autonomous and semi-autonomous processes
- ✓ Selecting appropriate finance processes for automation

Module 11: Responsible AI, Governance, Security & Controls

- ✓ Responsible AI principles
- ✓ AI governance within finance organizations
- ✓ Financial data privacy
- ✓ Confidentiality and information protection
- ✓ Access control considerations
- ✓ Bias and fairness
- ✓ Explainability of AI-generated outcomes

- ✓ Model transparency
- ✓ AI hallucinations and inaccurate outputs
- ✓ Model risk considerations
- ✓ Auditability and traceability
- ✓ Human review and approval
- ✓ Regulatory and compliance considerations
- ✓ Establishing AI usage policies
- ✓ Monitoring AI systems
- ✓ Responsible adoption of generative AI in finance

Module 12: Practical Finance AI Use Cases & Capstone Scenarios

Practical Use Cases

- ✓ AI-assisted financial statement analysis
- ✓ Budget vs. actual variance analysis
- ✓ Revenue forecasting
- ✓ Expense trend analysis
- ✓ Cash flow forecasting
- ✓ Accounts receivable prioritization
- ✓ Invoice and transaction analysis
- ✓ Working capital analysis
- ✓ Financial KPI interpretation
- ✓ Anomaly identification
- ✓ Management commentary generation
- ✓ Executive financial summary creation

Capstone Scenario

- ✓ Understanding the finance business requirement
- ✓ Identifying suitable AI opportunities
- ✓ Preparing and evaluating financial data
- ✓ Selecting appropriate AI or analytics approaches
- ✓ Designing an AI-enabled finance workflow
- ✓ Generating and validating financial insights
- ✓ Defining human review and control points
- ✓ Considering governance and risk requirements
- ✓ Presenting AI-supported recommendations to stakeholders