

APPLICATIONS OF AI IN BANKING & FINANCE

“Transform Financial Services with Intelligent Automation and Predictive Insight.”

Schedule

Venue	Fees
In-House	ASK FOR THE QUOTATION

► **Available delivery methods:** In-House Training

Introduction

The **Applications of AI in Banking & Finance** course explores how artificial intelligence is revolutionizing the financial services industry. Participants will gain practical knowledge of machine learning, natural language processing, predictive analytics, and automation as applied to key areas such as credit scoring, fraud detection, customer engagement, and investment advisory. Through real-world use cases and hands-on tools, professionals will learn how to evaluate, implement, and manage AI-driven financial solutions.

Objectives

- By the end of this training, participants will be able to:
- Understand core AI concepts and how they apply to finance
 - Explore real-world AI use cases in retail banking, risk management, and investment
 - Develop strategies for AI adoption and transformation in financial institutions
 - Apply AI models for fraud detection, underwriting, and portfolio optimization
 - Identify regulatory, ethical, and cybersecurity considerations in AI applications

Why Attend

As financial institutions race to modernize and stay competitive, professionals equipped with AI knowledge are in high demand. This course bridges the gap between emerging technology and financial strategy, enabling participants to drive innovation and improve decision-making.

Target Audience

- Bankers, Financial Analysts, and Risk Managers
- FinTech Entrepreneurs and Product Managers
- IT Professionals and Data Scientists in Financial Services
- Compliance Officers and Internal Auditors
- Business Leaders and Strategy Executives

Individual Benefits

- Gain in-demand skills in AI and machine learning applications
- Increase your value and expertise in financial digital transformation
- Learn to lead or contribute to AI projects in your organization
- Stay updated with trends in robo-advisors, RegTech, and algorithmic trading

Organizational Benefits

- Accelerate digital innovation and operational efficiency
- Improve customer insights, loyalty, and satisfaction
- Enhance fraud detection, risk assessment, and compliance processes
- Drive revenue growth through data-driven personalization and automation

Instructional Methodology

- Instructor-led sessions with financial AI demos
- Case study analysis from global banks and FinTechs
- Hands-on exercises using AI tools and platforms (e.g., Python, Power BI, or no-code AI tools)
- Group projects and implementation strategy planning

Course Outline

DETAILED 5-DAY COURSE OUTLINE (CUSTOMIZABLE)

Training Hours: 7:30 AM – 3:30 PM

Daily Format: 3–4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Foundations of AI in Financial Services

- Module 1: Introduction to AI and Machine Learning in Finance (07:30 – 09:30)
- Module 2: AI vs Traditional Automation – Use Case Mapping (09:45 – 11:15)
- Module 3: The AI Financial Ecosystem – Banks, FinTechs, Regulators (11:30 – 01:00)
- Module 4: Case Studies: JPMorgan, Ant Financial, Revolut (02:00 – 03:30)

Day 2: AI in Retail and Corporate Banking

- Module 1: Customer Insights and Personalization Engines (07:30 – 09:30)
- Module 2: AI for Credit Scoring and Loan Underwriting (09:45 – 11:15)
- Module 3: Intelligent Chatbots and Virtual Assistants (11:30 – 01:00)
- Module 4: Customer Risk Profiling and KYC Automation (02:00 – 03:30)

Day 3: AI for Risk Management & Fraud Detection

- Module 1: Predictive Analytics for Credit and Market Risk (07:30 – 09:30)
- Module 2: Fraud Detection Using Anomaly Detection Models (09:45 – 11:15)
- Module 3: Natural Language Processing (NLP) in Compliance & AML (11:30 – 01:00)
- Module 4: Workshop: Designing an AI-Powered Risk Alert System (02:00 – 03:30)

Day 4: AI in Investment & Wealth Management

- Module 1: Algorithmic and Quantitative Trading with AI (07:30 – 09:30)
- Module 2: Robo-Advisors and Portfolio Optimization (09:45 – 11:15)
- Module 3: Behavioral Finance and AI Personalization Models (11:30 – 01:00)
- Module 4: Case Exercise: Building a Simple Investment AI Model (02:00 – 03:30)

Day 5: Ethics, Governance & Future Outlook

- Module 1: AI Governance – Bias, Transparency, Explainability (07:30 – 09:30)
- Module 2: Regulatory Frameworks and Global Compliance Trends (09:45 – 11:15)
- Module 3: Strategic Roadmap for AI Integration in Financial Firms (11:30 – 01:00)
- Module 4: Final Presentations, Wrap-Up & Certification Exam (02:00 – 03:30)

Certification

Upon successful completion of the course and final assessment, participants will receive a **Certificate in Applications of AI in Banking & Finance**, certifying their foundational and practical knowledge in the evolving field of financial artificial intelligence.

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