FINTECH WITH AI



3 Hours per Day | **Total Duration: 30 Hours (10 Days)**

DAY 1 — Introduction to FinTech & AI

- Meaning and evolution of FinTech
- FinTech ecosystem and applications
- Role of AI in financial services
- Traditional Finance vs FinTech
- Emerging FinTech trends
- **Practical:** Exploring FinTech platforms and AI tools

DAY 2 — Digital Banking & Payments

- Digital banking concepts
- Mobile and internet banking
- Digital wallets and payment gateways
- UPI, QR payments and digital transactions
- Payment security and fraud prevention
- **Practical:** Digital payment ecosystem analysis

DAY 3 — AI & Machine Learning in Finance

- AI, ML and Deep Learning fundamentals
- Applications of ML in financial services
- Predictive analytics
- Credit scoring and risk prediction
- Customer behaviour analysis
- **Practical:** AI-based financial prediction

DAY 4 — Financial Data Analytics

- Financial data and data sources
- Data collection and preparation
- Excel/Python-based financial analysis
- Data visualization and dashboards
- Business and financial insights
- **Practical:** Financial data analysis

DAY 5 — AI-Powered Credit & Risk Management

- Credit assessment and scoring
- AI-based lending
- Risk identification and prediction
- Fraud detection
- Anti-Money Laundering (AML) concepts
- **Practical:** Credit-risk analysis using sample data

DAY 6 — Blockchain, Cryptocurrency & Digital Assets

- Blockchain fundamentals
- Blockchain in financial services
- Cryptocurrency and digital assets
- Smart contracts
- Benefits and risks of blockchain
- **Practical:** Blockchain/crypto ecosystem

DAY 7 — AI in Investment & Wealth Management

- AI in investment decisions
- Algorithmic and automated trading concepts
- Robo-advisory
- Portfolio analytics
- Market prediction and sentiment analysis
- **Practical:** AI-assisted investment analysis

DAY 8 — Blockchain, Cryptocurrency & Digital Assets

- Introduction to Generative AI
- Large Language Models (LLMs)
- Prompt engineering for finance
- AI-powered financial research
- Automated reports and customer support
- **Practical:** Using GenAI for financial analysis and reporting

DAY 9 — FinTech Security, Ethics & Regulation

- Cybersecurity in FinTech
- Data privacy and protection
- AI ethics and responsible AI
- Bias and transparency in financial AI
- Regulatory technology (RegTech)
- **Practical:** FinTech risk and compliance case study

DAY 10 — FinTech & AI Capstone Project

- Identifying a real-world FinTech problem
- Data collection and analysis
- AI/ML application
- Risk and business analysis
- Developing a FinTech solution concept
- Presentation and project evaluation
- **Final Project:** AI-powered FinTech business solution