

How AI is Revolutionizing Finance Industry

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Agenda for How AI is revolutionizing finance industry

Usage of various artificial intelligence technologies in finance sector

01

02

Analyse use case of artificial intelligence in different areas of finance like :

- Wealth management
- Banking
- Insurance
- Fintech
- Corporate finance

03

Determine future impact of artificial intelligence on finance sector and jobs

04

Implement workforce upskilling plan for artificial intelligence adoption





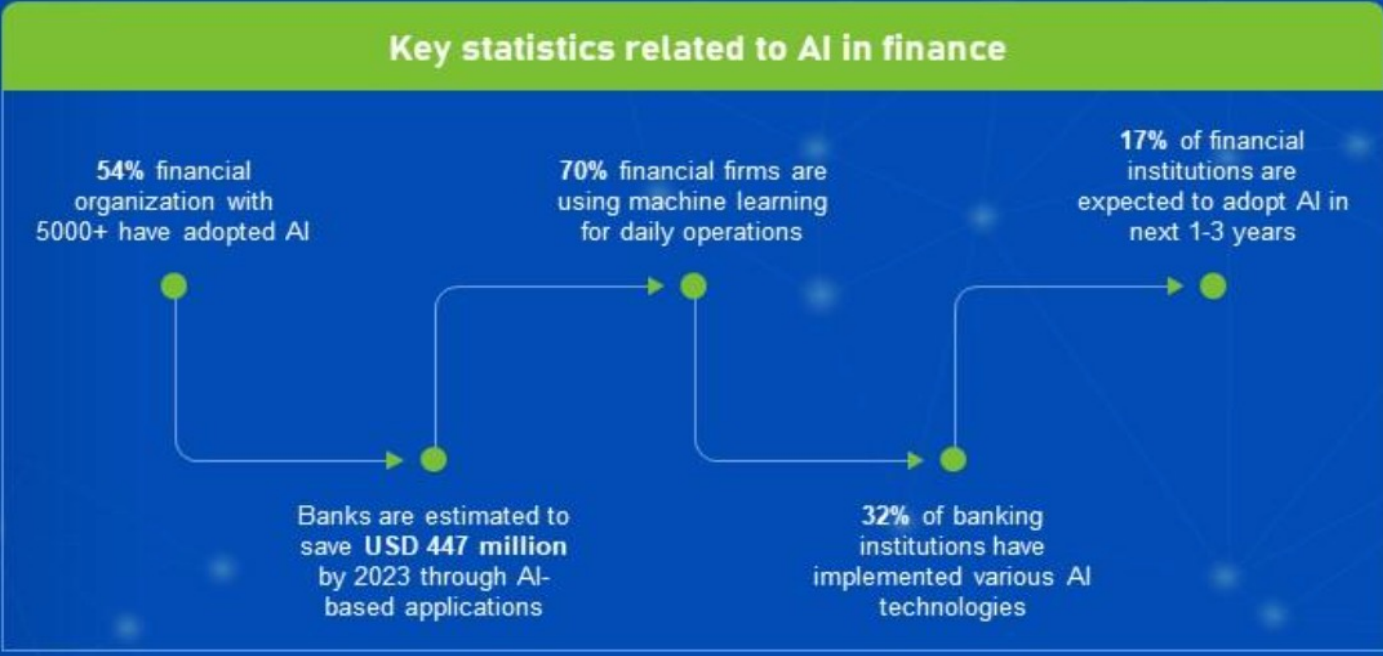
AI finance overview : Benefits and statistics

This slide showcases overview of artificial intelligence applications in different areas of finance. It also showcases key statistics and purpose related to usage of artificial intelligence in financial institutions.

Overview of AI in Finance

- AI in financing is assisting organizations to optimize the processes and generate insights from data
- Management of finances is revolutionizing at a rapid rate due to adoption of AI models and algorithms
- Usage of AI is expected to grow in financial services industries such as Banking, Insurance and FinTech
- Traditional banks are digitizing processes by leveraging AI technologies such as machine learning and natural language processing
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Benefits of AI in Finance



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AI finance use cases by functional areas

This slide showcases use cases of artificial intelligence that can help to transform the operations of financial institutions. Various applications are personalized banking, fraud detection, process automation, underwriting decisions and investment plus trading.



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Use cases of AI in different finance industries

This slide showcases usage of artificial intelligence that helped in digital transformation of finance industries. It highlights AI applications in different industries such as – banking, corporate finance, capital markets, Fintech, insurance.

01

Banking



- Banking organizations have leveraged AI technologies for digitization and enhanced customer experience
- Use cases of AI in banking:
 - Fraud detection
 - Customer service
 - Process automation
 - Personalized offerings
 - Know your customers (KYC)
 - Add text here

02

Corporate Finance



- AI algorithms helped organizations to improve operational excellency and manage various risks
- Use cases of AI in corporate finance:
 - Capital budgeting
 - Portfolio optimization
 - Due diligence
 - Compliance
 - Investment management
 - Add text here

03

Capital Markets



- AI is leveraged by individual and institutional investors to formulate and execute capital market strategies
- Use cases of AI in capital markets:
 - Algorithmic trading
 - Stock movement projections
 - Investment planning
 - Trade executions
 - Portfolio rebalancing
 - Add text here

04

FinTech



- FinTech companies leverage AI models to improve decision making and customer interaction
- Use cases of AI in banking :
 - Fraud identification
 - Loan sanctions
 - Investment management
 - Personalized sales
 - Secure transactions
 - Add text here

05

Insurance



- Insurance companies leveraged AI capabilities to improve the operational efficiency and reduce risks
- Use cases of AI in banking:
 - Credit scoring
 - Claims management
 - Fraud detection
 - Claims adjudication
 - Insurance distribution
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Challenges faced by finance companies in AI adoption

This slide showcase challenges that are faced by financial organizations in implementation and adoption of artificial intelligence. It also highlights solutions to tackle the artificial intelligence implementation challenges.

Challenges	Description	Solutions
Lack Of Talent	<ul style="list-style-type: none">• Lack of skilled talent can create hinderance for organization in implementing AI• Unskilled employees can face difficulty in managing different AI-based processes of organization• Add text here	Train existing employees on AI technologies and hire additional workforce
Data Security	<ul style="list-style-type: none">• Data collected by different AI algorithms are susceptible to external cyber attacks• Information leakage in cyber attack can result in financial loss for organization• Add text here	Implement data protection framework in organization before AI implementation
Compliance	<ul style="list-style-type: none">• Government of different countries are formulating regulatory measures for AI implementation• Stringent privacy regulation policies can create hindrance in implementation of AI• Add text here	Ensure that regulatory measure related to AI usage are followed in organization
Lack Of Standard Process	<ul style="list-style-type: none">• Collaborating AI with other key areas is major issues of financial organizations• Lack of standard structure can create hindrance in collaboration of business and technology team• Add text here	Formulate collaboration strategy and communicate AI-based framework

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AI trends transforming finance sector

This slide showcases various artificial intelligence trends that are transforming the finance sector. Latest trends in finance sector are hyperautomation, AI-powered automation, financial security and personalized product offerings.

01 Hyperautomation

- Hyperautomation is technique implemented by combining robotic process automation with artificial intelligence
- Manual task are automated and performed with greater accuracy through hyper automation
- Hyperautomation can help to decrease the financial losses suffered due to manual human errors

02 Ai-Powered Advisory

- AI is being implemented by financial organizations at rapid rate in investment advisory space
- Fund managers are using Robo-advisors to analyze the customer data and give investment recommendation
- Robo advisor can help to give investment advice based on customer objectives and risk capacity

03 Financial Security

- AI will help to optimize the various security protocols for customer authentication
- Technologies like computer vision and machine learning are used to enhance security in financial transactions
- AI-based security can help organization to identify fraud and reduce financial loses

04 Personalized Offerings

- AI models are helping different financial institutions to recommend personalized products to customers
- Data such as customer spending history, sentiment etc. are collected by AI algorithms for personalized offerings
- Personalized products and services help to increase company revenue and enhance satisfaction

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Deep learning : Overview, use cases, challenges

This slide showcases deep learning technology which can help to analyze large data and help make financial decisions for organization. It also shows challenges in deep learning implementation and future prospects of technology.

Deep Learning Overview

- Deep learning is machine learning technique that is based completely on artificial neural networks
- Neural networks in deep learning are inspired from the structure and function of the human brain
- Deep learning neural networks are designed to learn from large data in unsupervised or semi-supervised manner
- Add text here

Financial Jobs at Risk Due to AI

- Lack of enough and relevant data
- Overfitting in neural networks
- Bias issue of artificial intelligence
- Non representative training data
- Add text here
- Add text here
- Add text here

Use Cases of Deep Learning in Finance

Algorithmic Trading

- Financial institution can deploy chatbots with deep learning models to improve customer service
- Deep learning implementation can help to provide personalized customer service
- Functions of deep learning based assistants:
 - Automate frequent actions
 - Personalized product recommendation

Customer Service

- Financial institution can deploy chatbots with deep learning models to improve customer service
- Deep learning implementation can help to provide personalized customer service
- Functions of deep learning based assistants:
 - Automate frequent actions
 - Personalized product recommendation

Insurance Underwriting

- Insurance companies use past consumer data to train deep learning algorithms
- Information such as income, profession, loan history etc. are collected by machine learning algorithms
- Functions of deep learning based insurance underwriting:
 - Improve speed and efficiency of underwriting process
 - Predict and reduce underwriting risk

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