

AI-DRIVEN FRAUD DETECTION SYSTEM

Balancing Innovation and Responsibility

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CONTENTS

- Introduction to an AI in Fraud Detection
- Components of AI Driven Fraud Detection System

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WHY IT IS IMPORTANT ?

- Increasing financial transactions
- Sophisticated fraud techniques
- Explosive growth in digital transaction

LEVERAGING AI FOR FRAUD DETECTION

- Machine learning algorithms
- Pattern recognition
- Anomaly Detection

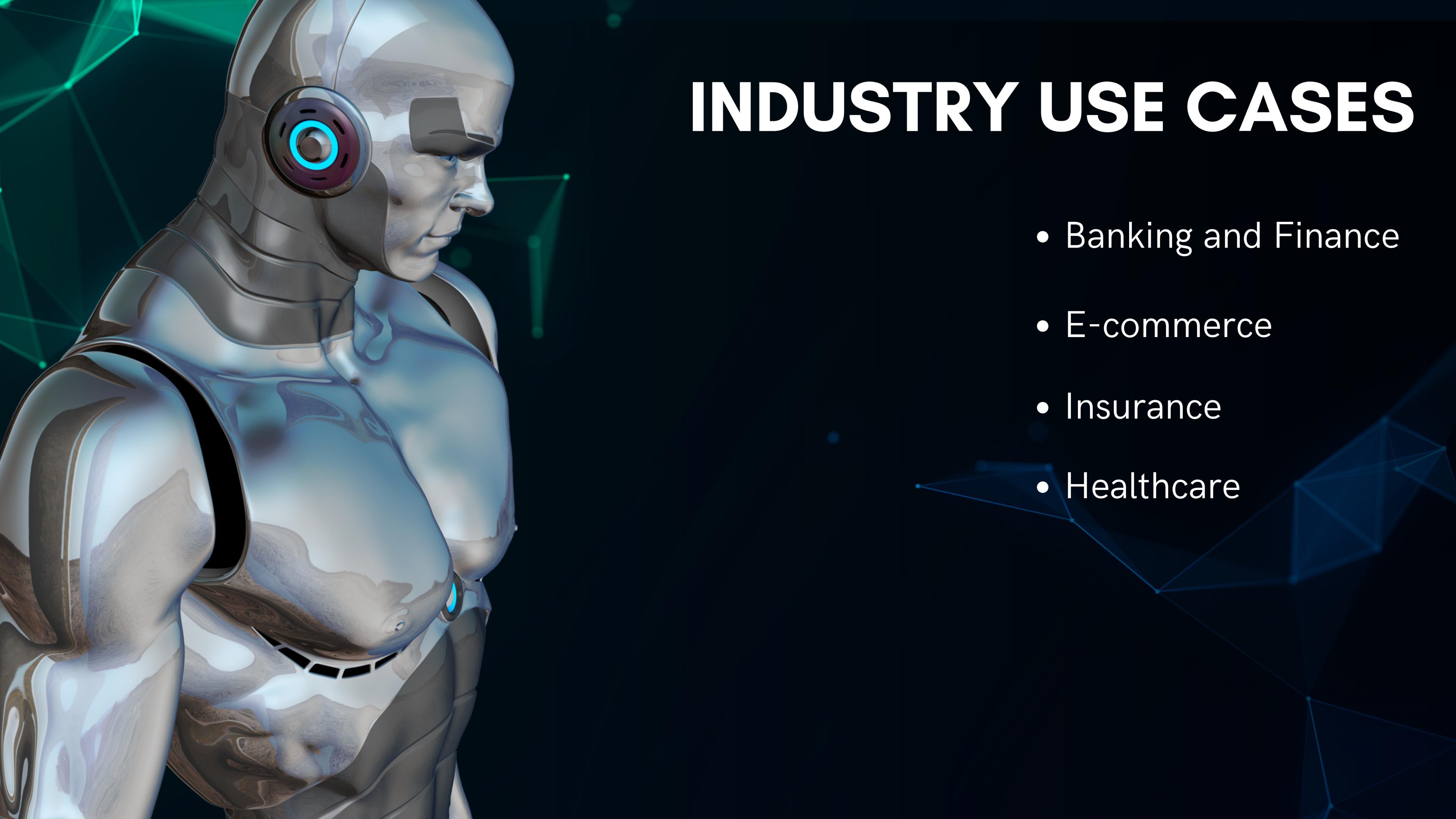


BUILDING BLOCKS OF AI-DRIVEN FRAUD DETECTION

- Data collection and preprocessing
- Model training and validation
- Real-time monitoring and alerting

Advantages of AI-Driven Fraud Detection

- Improved accuracy
- Enhanced Security
- Reduce false positives
- Scalability



INDUSTRY USE CASES

- Banking and Finance
- E-commerce
- Insurance
- Healthcare

OVERCOMING CHALLENGES

- Data quality issue
- Model Interpretability
- False Positives/Negatives
- Regularity compliance



FUTURE OF AI-DRIVEN FRAUD DETECTION

- Advanced machine learning techniques
- Integration with other security measures
- Explanability and Transparency

THANK YOU!

FOR YOUR ATTENTION

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