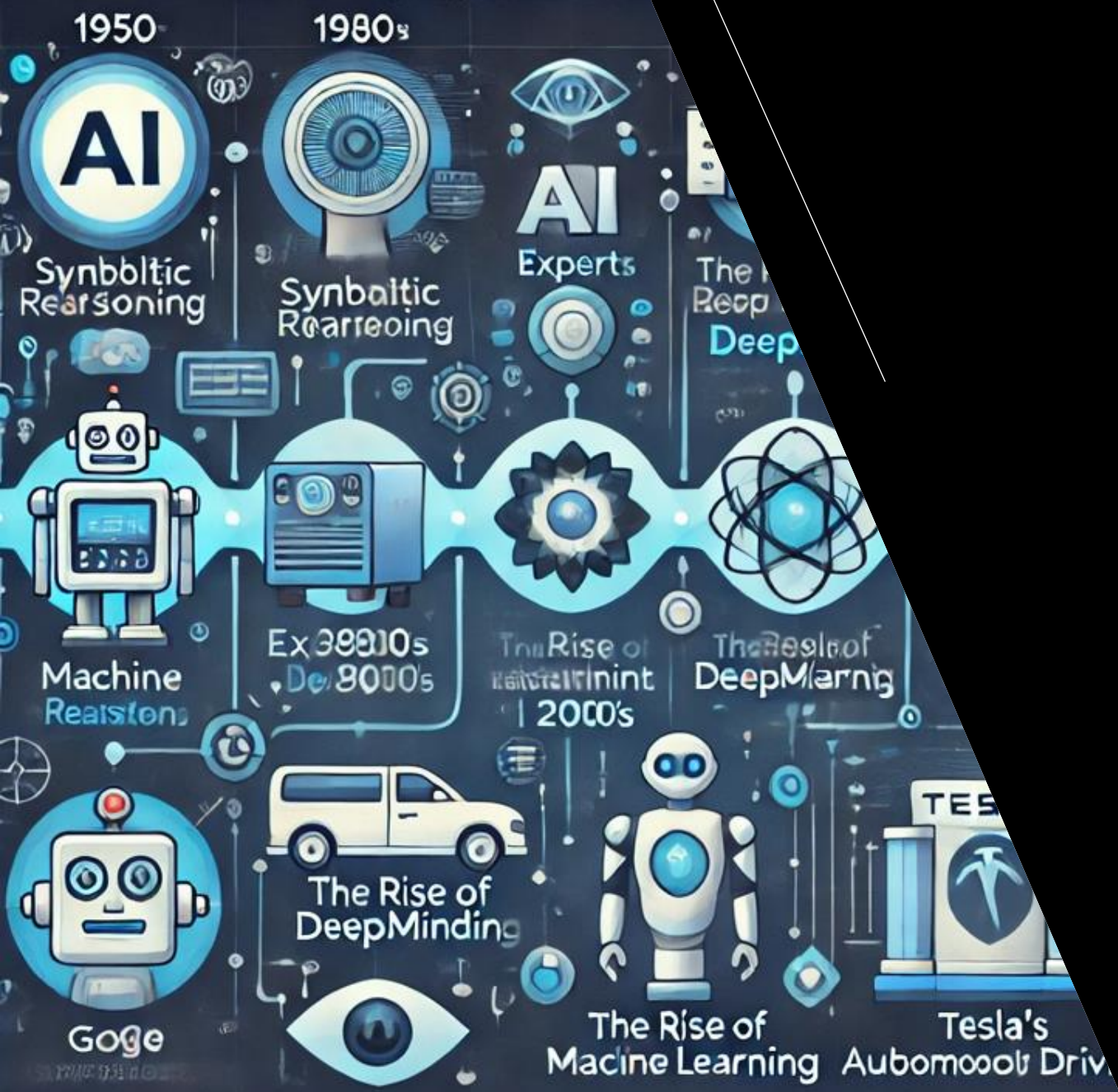


The Evolution of AI



THE ROLE OF AI IN
ENTERPRISE –

FROM INCEPTION TO
IMPLEMENTATION

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INTRODUCTION

- Definition of AI: Machine learning, natural language processing, computer vision, etc.
- AI's growing impact on business operations and decision-making.
- The journey from early AI concepts (1950s) to enterprise integration today.



EVOLUTION OF AI IN BUSINESS

- **Early AI:** Rule-based systems, expert systems in the 1980s-90s.
- **Modern AI:** Shift to machine learning (ML) and deep learning.
- **Enterprise AI** today uses predictive analytics, NLP, and RPA (Robotic Process Automation).

Key timelines

- **1956:** Dartmouth Conference
- **1997:** Deep Blue
- **2011:** IBM Watson
- **2016:** AlphaGo
- **2023:** ChatGPT



WHERE WE STARTED: AI'S EARLY IMPACT IN ENTERPRISE

- **CRM and ERP Automation:** Early AI used for CRM and ERP.
- **Supply Chain & Logistics:** AI in demand forecasting and inventory management.
- **Example:** UPS using AI for route optimization—ORION.



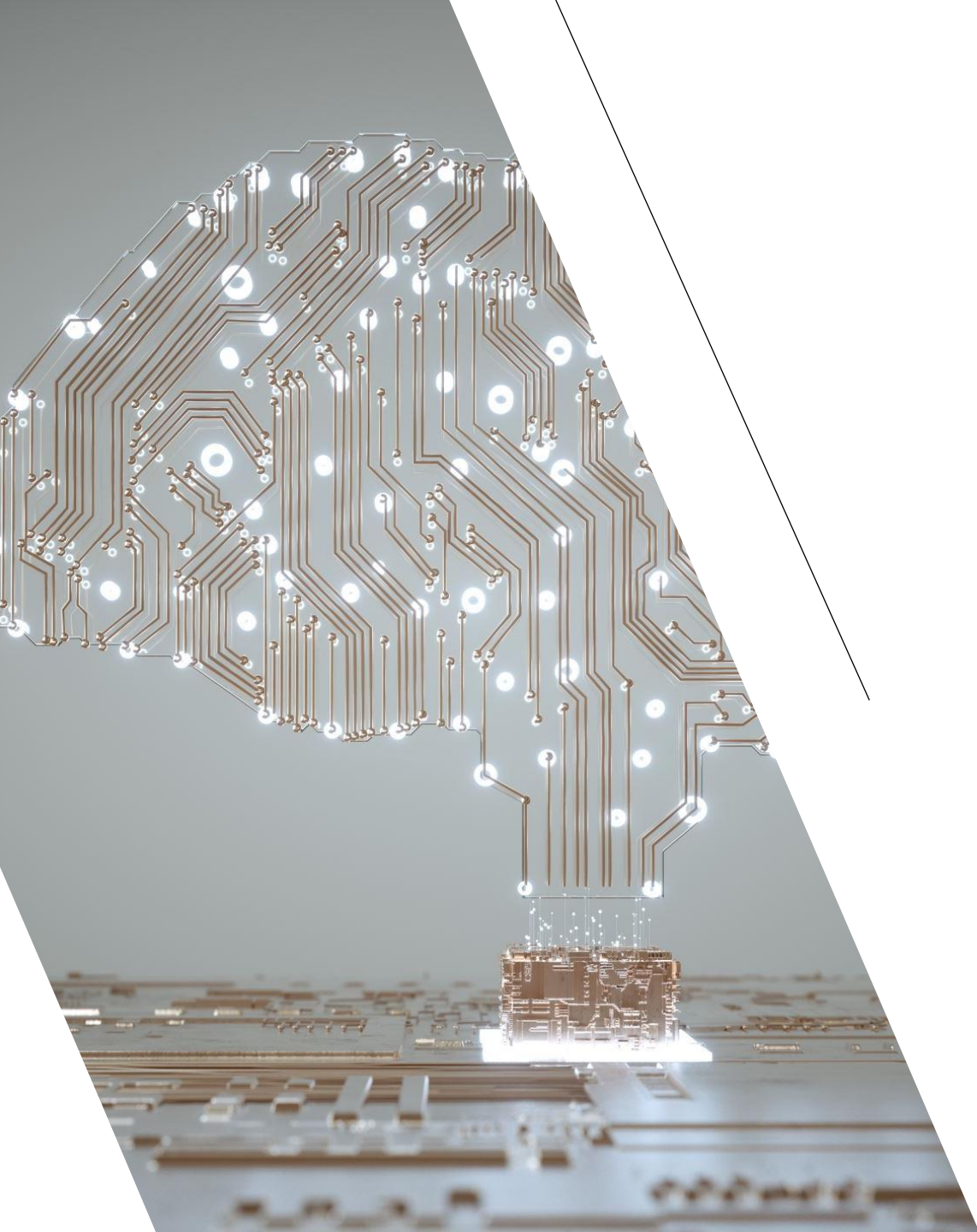
WHAT AI IS DOING IN ENTERPRISES NOW

- Data-Driven Decision Making: AI for predictive analytics.
- RPA: Automating routine tasks.
- NLP: Chatbots and virtual assistants.
- AI in Cybersecurity: Detecting anomalies and threats.
- Live Examples:
 - JP Morgan's COIN software.
 - Amazon's recommendation engine.
 - IBM Watson in healthcare.



WHAT LEADING COMPANIES ARE DOING IN AI

- Google: DeepMind—healthcare and energy applications.
- Microsoft: AI in Azure for cloud solutions.
- Tesla: Real-time data analysis for autonomous driving.
- G42: AI-driven solutions in healthcare and smart cities



AI IN THE ENTERPRISE – CURRENT AND EMERGING TRENDS

- AI-Powered Automation: Increasing automation of knowledge work.
- Hyperpersonalization: Tailored marketing experiences.
- AI for Sustainability: Optimizing energy usage and reducing waste.
- Example: Google's AI reducing energy usage in data centers.



CHALLENGES AND OPPORTUNITIES

Challenges:

- Data privacy and security.
- Talent shortages.
- Bias in algorithms.

Opportunities:

- AI-driven innovation.
- Efficiency gains.
- New market expansion.



THE FUTURE OF AI IN ENTERPRISE

AI Democratisation: Accessibility for small and mid-sized enterprises.

AI in Decision-Making: Supporting strategic decisions.

Enhanced Customer Experience: Personalized engagement



CONCLUSION

AI is transforming enterprise landscapes, enhancing agility and data-driven practices.

Adoption extends beyond tech giants to mainstream businesses.

With the right strategy, AI can drive growth, innovation, and efficiency.



THANK YOU

Open to questions.