

1. Introduction to AI in Business

- Explore the relevance and potential impact of AI technologies in modern businesses.
- What is AI and Why Does It Matter
- The ROI of AI Adoption
- Case Studies: AI Transformations
- AI Ethics and Regulation
- AI's Role in Different Business Units
- Quick overview of businesses successfully adopting AI

2. Data: The Bedrock of AI

- Identify the types of data most pertinent to AI applications in business.
- Types of Data: Structured vs Unstructured
- Importance of Data Collection
- Data Storage Solutions
- Data Security and Compliance
- Data Integration Strategies
- Evaluating databases suited for AI applications

3. Big Data, Data Science, and AI – The Power Trio

- Explore how Big Data, Data Science, and AI synergize for business advantage.
- The Big Data Ecosystem
- Data Science Methodologies
- Machine Learning vs Deep Learning
- Business Cases for Data Science and AI
- Tools for Analytics and Data Processing

4. Cloud-Based vs On-Premise Solutions

- Make informed decisions on cloud-based vs. on-premise AI solutions.
- Factors for Choosing a Platform
- Cloud-Based Pros and Cons
- On-Premise Pros and Cons

- Cost Implications
- Security Considerations

5. Selecting Tools and Technologies

- Explore various tools and technologies to facilitate AI adoption.
- Popular AI Frameworks
- Visualization Tools
- Data Cleaning and Preprocessing Tools
- Analytical Platforms
- APIs and Libraries
- Quick tour through a suite of cutting-edge AI tools

6. Building Your Data Science and AI Teams

- Explore the key skills and roles to consider when forming a data science/AI team.
- Core Team Roles
- Required Skill Sets
- Training vs Hiring
- Collaboration Tools
- Team KPIs and Performance Metrics
- Leveraging tech for remote collaboration

7. Generative AI: A New Paradigm for Business

- Understand how Generative AI can redefine content creation, design, and decision-making in business.
- What is Generative AI?
- Applications in Marketing and Design
- Generative AI in Product Development
- Ethical and Legal Concerns
- Generative AI in Business Strategy
- Auto-Generated Content: See how Generative AI can automatically produce marketing copy and design elements

8. Emerging Trends in Data & AI for Business

- Stay ahead of the curve by understanding upcoming trends that will shape the future of AI in business.
- Federated Learning and Edge AI
- AI for Sustainability and Social Good
- AI in Cybersecurity
- Reinforcement Learning in Business
- Explainable AI (XAI)
- Explore the impact of new trends on different business sectors

9. Next Steps and Action Plan

- Develop a roadmap to start or advance AI implementation in your organization.
- Setting Short-term and Long-term Goals
- Budget and Resource Allocation
- Scaling AI Projects
- Ongoing Training and Skills Update