
Artificial Intelligence The Next Digital Frontier

The next big technological break

The Insights You Need from Harvard Business Review

Digital Transformation

Approaches for a Sustainable Future

Analytics in the Age of Artificial Intelligence: The Why and the How of Using Analytics to Unleash the Power of Artificial Intelligence

Applications of Artificial Intelligence in Business, Education and Healthcare

The Next Generation of Competences

Gamechanger AI

The Future of Work

Competing in the Age of AI

Handbook Of Digital Enterprise Systems: Digital Twins, Simulation And Ai

Principles of Responsible Management Education (PRME) in the Age of Artificial Intelligence (AI)

What To Do When Machines Do Everything

Artificial Intelligence in Practice

Artificial Intelligence in Construction Engineering and Management

Digital Services and Platforms. Considerations for Sourcing

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How 50 Successful Companies Used AI and Machine Learning to Solve Problems

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10th TPC Technology Conference, TPCTC 2018, Rio de Janeiro, Brazil, August 27-31, 2018, Revised Selected Papers

AI 2041

Artificial Intelligence meets Augmented Reality

Handbook of Research on Applied Data Science and Artificial Intelligence in Business and Industry

How 50 Successful Companies Used AI and Machine Learning to Solve Problems

The Future of Artificial Intelligence in Digital Marketing

12th Global Sourcing Workshop 2018, La Thuile, Italy, February 21-24, 2018, Revised Selected Papers

Ten Visions for Our Future

Artificial Intelligence: The Star of the Digital Galaxy: A Study of Digital Disruption,

Innovation, and Economic Transformation
Artificial Intelligence for Marketing
Artificial Intelligence
An essential guide for human-centric and holistic businesses
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Artificial Intelligence for Business
How to Get Ahead in a World of AI, Algorithms, Bots, and Big Data
Artificial Intelligence for All
Fundamentals, Use Cases and Methods for a Corporate AI Journey
Digital Transformation

*Artificial
Intelligence
The Next
Digital
Frontier*

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ANGELINA SANAA

The next big technological
break Springer

The contemporary world lives on the data produced at an unprecedented speed through social networks and the internet of things (IoT). Data has been called the new global

currency, and its rise is transforming entire industries, providing a wealth of opportunities. Applied data science research is necessary to derive useful information from big data for the

effective and efficient utilization to solve real-world problems. A broad analytical set allied with strong business logic is fundamental in today's corporations. Organizations work to obtain competitive advantage by analyzing the data produced within and outside their organizational limits to support their decision-making processes. This book aims to provide an overview of the concepts, tools, and techniques behind the fields of data science and artificial

intelligence (AI) applied to business and industries. The Handbook of Research on Applied Data Science and Artificial Intelligence in Business and Industry discusses all stages of data science to AI and their application to real problems across industries—from science and engineering to academia and commerce. This book brings together practice and science to build successful data solutions, showing how to uncover hidden patterns and leverage them to improve all aspects of

business performance by making sense of data from both web and offline environments. Covering topics including applied AI, consumer behavior analytics, and machine learning, this text is essential for data scientists, IT specialists, managers, executives, software and computer engineers, researchers, practitioners, academicians, and students. [The Insights You Need from Harvard Business Review](#) John Wiley & Sons The legendary Silicon

Valley entrepreneur examines how both business and government organizations can harness the power of disruptive technologies. Tom Siebel, the billionaire technologist and founder of Siebel Systems, discusses how four technologies—elastic cloud computing, big data, artificial intelligence, and the internet of things—are fundamentally changing how business and government will operate in the 21st century. While this profound and fast-moving transformation

can appear daunting to some, Siebel shows how organizations can not only survive, but thrive in the new digital landscape. In this authoritative yet accessible book, Siebel guides readers through the technologies driving digital transformation, and demonstrates how they can strategically exploit their powerful capabilities. He shows how leading enterprises such as Enel, 3M, Royal Dutch Shell, the U.S. Department of Defense, and others are applying AI and IoT with stunning

results.

Digital Transformation

John Wiley & Sons

A straightforward, non-technical guide to the next major marketing tool Artificial Intelligence for Marketing presents a tightly-focused introduction to machine learning, written specifically for marketing professionals. This book will not teach you to be a data scientist—but it does explain how Artificial Intelligence and Machine Learning will revolutionize your company's marketing strategy, and

teach you how to use it most effectively. Data and analytics have become table stakes in modern marketing, but the field is ever-evolving with data scientists continually developing new algorithms—where does that leave you? How can marketers use the latest data science developments to their advantage? This book walks you through the "need-to-know" aspects of Artificial Intelligence, including natural language processing, speech recognition, and

the power of Machine Learning to show you how to make the most of this technology in a practical, tactical way. Simple illustrations clarify complex concepts, and case studies show how real-world companies are taking the next leap forward. Straightforward, pragmatic, and with no math required, this book will help you: Speak intelligently about Artificial Intelligence and its advantages in marketing Understand how marketers without a Data Science degree can

make use of machine learning technology Collaborate with data scientists as a subject matter expert to help develop focused-use applications Help your company gain a competitive advantage by leveraging leading-edge technology in marketing Marketing and data science are two fast-moving, turbulent spheres that often intersect; that intersection is where marketing professionals pick up the tools and methods to move their company forward.

Artificial Intelligence and Machine Learning provide a data-driven basis for more robust and intensely-targeted marketing strategies—and companies that effectively utilize these latest tools will reap the benefit in the marketplace. Artificial Intelligence for Marketing provides a nontechnical crash course to help you stay ahead of the curve. [Approaches for a Sustainable Future](#) IGI Global Artificial Intelligence, or AI, is set to redefine our day-to-day activities.

Many companies across the globe are engaged in doing research on the application of AI in almost each and every aspect of our life. Many companies have already integrated AI in their manufacturing, supply chain, marketing and after sales operations, but there is a lot that needs to be done to capitalize the full potential of this technology. International Perspectives on Artificial Intelligence is an attempt to put together the work done across various countries on adapting and

integrating Ai not only in organizations but also at individual and social levels.

[Analytics in the Age of Artificial Intelligence: The Why and the How of Using Analytics to Unleash the Power of Artificial Intelligence](#) Springer

Nature

Artificial intelligence (AI) and platforms are closely related. Most investments in AI, especially in critical technologies, are provided by large platforms. This book describes how platforms invest in AI and how AI

will impact the next generation of competences, following a twofold approach to do so: on the one hand, the book seeks to understand how platforms for investment in intangibles and AI are organized, but on the other hand, it provides a framework to describe how AI will change jobs and competences in the future. Moreover, the book addresses five main themes: 1. platforms, platformization, and the foundations of their business models; 2.

artificial intelligence, technological tendencies, and the policy agenda; 3. artificial intelligence, productivity, and the next generation of competences; 4. artificial intelligence, productivity, and the digital divide; 5. artificial intelligence, ethics, and the post-truth society. The book's content is mostly based on papers presented at the last two installments of the World Conference on Intellectual Capital for Communities. It brings together the views of leading scholars and

experts on how artificial intelligence and platformization will impact competences in the near future.

Applications of Artificial Intelligence in Business, Education and Healthcare Springer

Enterprise Artificial Intelligence Transformation AI is everywhere. From doctor's offices to cars and even refrigerators, AI technology is quickly infiltrating our daily lives. AI has the ability to transform simple tasks into technological feats at

a human level. This will change the world, plain and simple. That's why AI mastery is such a sought-after skill for tech professionals. Author Rashed Haq is a subject matter expert on AI, having developed AI and data science strategies, platforms, and applications for Publicis Sapient's clients for over 10 years. He shares that expertise in the new book, *Enterprise Artificial Intelligence Transformation*. The first of its kind, this book grants technology leaders

the insight to create and scale their AI capabilities and bring their companies into the new generation of technology. As AI continues to grow into a necessary feature for many businesses, more and more leaders are interested in harnessing the technology within their own organizations. In this new book, leaders will learn to master AI fundamentals, grow their career opportunities, and gain confidence in machine learning. *Enterprise Artificial Intelligence*

Transformation covers a wide range of topics, including: Real-world AI use cases and examples Machine learning, deep learning, and semantic modeling Risk management of AI models AI strategies for development and expansion AI Center of Excellence creating and management If you're an industry, business, or technology professional that wants to attain the skills needed to grow your machine learning capabilities and effectively scale the work

you're already doing, you'll find what you need in Enterprise Artificial Intelligence Transformation. *The Next Generation of Competences* Springer Nature

"a provocative new book" -- The New York Times AI-centric organizations exhibit a new operating architecture, redefining how they create, capture, share, and deliver value. Marco Iansiti and Karim R. Lakhani show how reinventing the firm around data, analytics, and AI removes traditional

constraints on scale, scope, and learning that have restricted business growth for hundreds of years. From Airbnb to Ant Financial, Microsoft to Amazon, research shows how AI-driven processes are vastly more scalable than traditional processes, allow massive scope increase, enabling companies to straddle industry boundaries, and create powerful opportunities for learning-to-drive ever more accurate, complex, and sophisticated predictions. When traditional

operating constraints are removed, strategy becomes a whole new game, one whose rules and likely outcomes this book will make clear. Iansiti and Lakhani: Present a framework for rethinking business and operating models Explain how "collisions" between AI-driven/digital and traditional/analog firms are reshaping competition, altering the structure of our economy, and forcing traditional companies to rearchitect their operating models Explain the opportunities

and risks created by digital firms Describe the new challenges and responsibilities for the leaders of both digital and traditional firms Packed with examples--including many from the most powerful and innovative global, AI-driven competitors--and based on research in hundreds of firms across many sectors, this is your essential guide for rethinking how your firm competes and operates in the era of AI.

Gamechanger AI OECD Publishing

The phenomenal growth of digital technologies is creating a tectonic shift in business. The explosion of information and increasingly growing mastery of available data are opening up endless economic opportunities, as the digitally-led economy is expected to double every 18-24 months. This shift might not be possible without Artificial Intelligence (AI). AI is becoming the star of the digital galaxy. Gradually, it is becoming an integral part of human life, and its understanding

should not be limited only to corporations or academicians. Large-scale companies already have robust training frameworks in place that expose their employees to this emerging digital technology. Existing and upcoming small to mid-size organizations both inside and outside the technological realm could have a challenge to functionally orient their employees to new emerging digital technologies. Similarly, a non-expert will get inundated by the

complexity and vastness of information in this area. However, unfortunately, there is no single place to look for a comprehensive view of today's digital galaxy, which would perhaps answer questions like: 1. How are digital technologies transforming human lives and businesses? 2. What are the key technical drivers behind these transformations? 3. Which digital economy platforms are taking the lead? 4. How are newer business opportunities created? 5. Which businesses are at

the risk of disappearing? 6. What are the challenges for the digital economy? 7. What is coming next? These questions are important for the current and future digital workforce, small to mid-size enterprises within and outside the technology realm, academics, and the general population who wants to understand these emerging digital technologies and their practical uses. This book is intended as a primer to simplify and explain the concepts,

implementations, and implications of the AI-powered digital galaxy. This publication will also endeavor to help readers know and understand the digital disruption, innovation, and economic transformation resulting from new digital technologies. Additionally, It will identify and illustrate the growth and development of various digital events from the last decade that have had an impact on modern businesses and lifestyle. This study will also show how data, automation, 3D-

printing, distributed ledgers, IoT(Internet of thing), immersive experience, digital twins and various sub-technologies of artificial intelligence such as conversational platforms, recommender systems, machine vision and machine learning are shaping the twenty-first-century business model and human way of life. Additionally, the effectiveness of digital solutions will be assessed and recommendations will be shared. The author hopes these suggestions

will inspire new business ideas. The primary objectives of this book are 1. To specify twenty-first-century smart technologies and how they are already helping or will help to conduct digital business and achieve maximum profitability. 2. To identify the digital disruption trends, impacts, and opportunities in the light of artificial intelligence (AI) and to evaluate promising use cases of AI within the existing business landscapes, or suggest new business

paradigms by recommending additional revenue stream opportunities. 3. To summarize the economic landscape of the digital economy, how it is shaping up, and what possibilities, risks, and remedies it offers for entrepreneurs.

The Future of Work John Wiley & Sons

This book highlights the latest technologies and applications of Artificial Intelligence (AI) in the domain of construction engineering and management. The

construction industry worldwide has been a late bloomer to adopting digital technology, where construction projects are predominantly managed with a heavy reliance on the knowledge and experience of construction professionals. AI works by combining large amounts of data with fast, iterative processing, and intelligent algorithms (e.g., neural networks, process mining, and deep learning), allowing the computer to learn automatically from patterns or features in the

data. It provides a wide range of solutions to address many challenging construction problems, such as knowledge discovery, risk estimates, root cause analysis, damage assessment and prediction, and defect detection. A tremendous transformation has taken place in the past years with the emerging applications of AI. This enables industrial participants to operate projects more efficiently and safely, not only increasing the automation and productivity in

construction but also enhancing the competitiveness globally. Competing in the Age of AI Atlantic Publishing Company Artificial intelligence changes everything. This book encourages readers to consider the challenges of the digital transformation driven by Artificial Intelligence. The reader will discover why this transformation is to be regarded as the greatest cultural revolution since the invention of mass printing and how it can be shaped

positively in a value-oriented way. The author pursues the thesis that intelligent objects on the internet, as well as physical objects, are attaining their own consciousness. Using many examples, he shows how these digital companions become our digital partners. This non-fiction book provides many suggestions for one's own living and working environment and is full of examples of how artificial intelligence systems can be implemented. The reader

learns what is already possible today and what can be expected in the next ten to twenty years. The book is of interest to anyone interested in AI and the digital transformation - from those responsible in companies, public institutions, and in politics, to all teachers and parents who want to understand what the next generation can expect.

Handbook Of Digital Enterprise Systems: Digital Twins, Simulation And Ai
Estalontech

Blending of AI and AR
Key features
The book believes in the concept of teach by example. All the tools needed to facilitate quick understanding of complex concepts are provided in this book: Definition of key terms Industry studies, research statistics, etc., that clarify concepts
Spotlight sections
A Word of Caution sections
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Description
Artificial Intelligence Meets Augmented Reality: Redefining Regular Reality
is a unique book as it

presents the new technology paradigm of artificial intelligence (AI) and augmented reality (AR) and its full transition, right from major advantages that enhance entire industries to changing how the world operates at various levels. New realities will emerge in the context of our existing world through the combination of AI-AR. The book presents both the bright and bleak sides of the AI-AR duo in order to give a holistic view and help us to decide how we are going to leverage

such technologies-and whether their disruptive or transformative nature-will mar or make the future of our world. A workforce of enlightened engineers is the key to designing and developing AI-AR solutions with responsibility in order to achieve the greater good. Through the book, Chitra Lele has explained a multidisciplinary, integrated approach as to how we can minimize barriers and blend AI and AR without destroying our natural settings. The book will help to chart out a

path where there is no trail yet, and get you started on developing AI-AR solutions and experiences in bettering the world in an ethical and responsible manner. What will you learn
 Dynamics of Artificial Intelligence and Augmented Reality
 AI and AR Ecosystem Business at the Crossroads of AI and AR
 What does the AI-AR Marriage Hold for the Future of the World
 Who this book is for
 Students, Academicians, Educationists, Professionals and Policy

researchers. Table of contents
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World
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 About the author
 Chitra Lele is a young software consultant, academic author and research scholar. She is a double postgraduate: Master in Computer Management and Master of Science in Software Engineering. Her publications include scholarly articles, research papers and academic books. She has been conferred with the title of "e;A Versatile Writer"e; by the India Book of Records for

penning maximum number of books in a short span of eighteen months in various genres.
 Her LinkedIn Profile:
[linkedin.com/in/chitralelea](https://www.linkedin.com/in/chitralelea)
 author and consultant
Principles of Responsible Management Education (PRME) in the Age of Artificial Intelligence (AI)
 Currency
 Transforming Management Using Artificial Intelligence
 Techniques redefines management practices using artificial intelligence (AI) by providing a new

approach. It offers a detailed, well-illustrated treatment of each topic with examples and case studies, and brings the exciting field to life by presenting a substantial and robust introduction to AI in a clear and concise manner. It provides a deeper understanding of how the relevant aspects of AI impact each other's efficacy for better output. It's a reliable and accessible one-step resource that introduces AI; presents a full examination of applications; provides an

understanding of the foundations; examines education powered by AI, entertainment, home and service robots, healthcare re-imagined, predictive policing, space exploration; and so much more, all within the realm of AI. This book will feature: Uncovering new and innovative features of AI and how it can help in raising economic efficiency at both micro- and macro levels Both the literature and practical aspects of AI and its uses This book summarizing key concepts at the end

of each chapter to assist reader comprehension Case studies of tried and tested approaches to resolutions of typical problems Ideal for both teaching and general-knowledge purposes. This book will also simply provide the topic of AI for the readers, aspiring researchers and practitioners involved in management and computer science, so they can obtain a high-level of understanding of AI and managerial applications. What To Do When Machines Do Everything

CRC Press

This book constitutes revised selected papers from the 12th international Global Sourcing Workshop 2018, held in La Thuile, Italy, in February 2018. The 9 contributions included were carefully reviewed and selected from 40 submissions. The book offers a review of the key topics in sourcing of services, populated with practical frameworks that serve as a tool kit to students and managers. The range of topics covered in this book is

wide and diverse, offering micro and macro perspectives on successful sourcing of services. Case studies from various organizations, industries and countries are used extensively throughout the book, giving it a unique position within the current literature offering. Artificial Intelligence in Practice Springer Nature Cyber-solutions to real-world business problems Artificial Intelligence in Practice is a fascinating look into how companies use AI and machine

learning to solve problems. Presenting 50 case studies of actual situations, this book demonstrates practical applications to issues faced by businesses around the globe. The rapidly evolving field of artificial intelligence has expanded beyond research labs and computer science departments and made its way into the mainstream business environment. Artificial intelligence and machine learning are cited as the most important modern

business trends to drive success. It is used in areas ranging from banking and finance to social media and marketing. This technology continues to provide innovative solutions to businesses of all sizes, sectors and industries. This engaging and topical book explores a wide range of cases illustrating how businesses use AI to boost performance, drive efficiency, analyse market preferences and many others. Best-selling author and renowned AI expert

Bernard Marr reveals how machine learning technology is transforming the way companies conduct business. This detailed examination provides an overview of each company, describes the specific problem and explains how AI facilitates resolution. Each case study provides a comprehensive overview, including some technical details as well as key learning summaries: Understand how specific business problems are addressed by innovative

machine learning methods Explore how current artificial intelligence applications improve performance and increase efficiency in various situations Expand your knowledge of recent AI advancements in technology Gain insight on the future of AI and its increasing role in business and industry Artificial Intelligence in Practice: How 50 Successful Companies Used Artificial Intelligence to Solve Problems is an insightful and informative exploration of the

transformative power of technology in 21st century commerce. *Artificial Intelligence in Construction Engineering and Management* Springer Nature

There are millions of business and individuals involved in digital marketing and more getting involved every day. Most of these people know very little about Artificial intelligence (AI) and the impact that it will have on digital marketing. But Yet the 5 G world is already here ,what it has brought forth will be new

enhancement in the following ; Big Data And Datascience Analytics Advanced Manufacturing And Smart device development Cybersecurity - Software development Urban Solutions -Smarter Cities Finance - Cryptocurrency and Bitcoin reassessment Digital Media -Augmented and VR Adoption and response Rates Entrepreneurship - Disruptive with newer Sharing concept Tech-Enabled Services - 3D printing up to 4 D printing with finite element

influence option and many more 5G networks represent the next generation of mobile Internet connectivity, offering faster speeds and more reliable connections than ever before on smartphones and other devices. Combining advanced network technology and the latest research, 5G is expected to offer faster connections than current connections and It is estimated that AI and machine learning will create an additional \$2.6 trillion in marketing and sales by 2020. Gartner

estimates that business value created by AI will reach \$3.9 trillion by the year 2022. Investment in AI systems is estimated to reach \$77.6 billion by 2022. What all of this tells you is that there is a very strong interest in AI and the impact that it will have on online business. If people want to be successful with digital marketing in the future they need to be aware of the impact that AI will have and they need to know the real difference between Artificial Intelligence and Machine

Learning and why it is essential to know this for future digital marketing success. Here it will give an insight: -Why one of the largest companies in the world has decided to put AI first and what this really means for digital marketers -The essential changes that you need to make to ensure that your website is in line with the requirements of the world's largest search engine -What Big Data really is and why it is so important for digital marketers - get this wrong and you will

definitely be left behind! - Why it is critical that you understand Computer Vision and why it is going to have such a massive impact on the digital marketing landscape - How chatbots are revolutionizing digital marketing and how you can take advantage of this and be more successful online -Why it is essential that you develop your AI skills and how you can easily do this using a technology that has been around for years! -How you can future proof your digital

marketing and the most important thing that you must do to stay ahead of the game!

Digital Services and Platforms. Considerations for Sourcing Springer Nature

The artificial intelligence (AI) landscape has evolved significantly from 1950 when Alan Turing first posed the question of whether machines can think. Today, AI is transforming societies and economies. It promises to generate productivity gains, improve well-being and help address global

challenges, such as climate change, resource scarcity and health crises.

Blockchain Applications for Secure IoT

Frameworks:

Technologies Shaping the Future BPB Publications

Not long ago, Artificial Intelligence (AI) only existed in the realm of science fiction. Today, it's a reality and is only growing more prominent each day, spreading across both every imaginable industry and countries around the world. But what is the number one AI modern

person interacting with on a daily basis? The Internet. While search engine technology has been around for a few years, page-rank algorithms have been revolutionized by the introduction of AI technologies. Because this trend will continue into the foreseeable future, and become increasingly more important as the years go on, any digital marketer, small business owner, or social media user needs to know how it all works—and how you can

use it to your advantage. In *The Future of Artificial Intelligence in Digital Marketing*, you will dive into the details of artificial intelligence (AI) and how it has dramatically affected digital marketing. Documenting the advancement of AI digital marketing, *The Future of Artificial Intelligence in Digital Marketing* offers proven solutions to mastering digital processes and search engines. The importance of applying empathic machines in digital marketing can't be

overstated—nor can the benefits of using humanized AI digital marketing. Revolutionize your digital marketing world with *The Future of Artificial Intelligence in Digital Marketing. The Fourth Industrial Revolution* Springer Nature Artificial Intelligence (AI) will change the lives of people and businesses more fundamentally than many people can even imagine today. This book illustrates the importance of AI in an era of digitalization. It introduces

the foundations of AI and explains its benefits and challenges for companies and entire industries. In this regard, AI is approached not just as yet another technology, but as a fundamental innovation, which will spread into all areas of the economy and life, and will disrupt business processes and business models in the years to come. In turn, the book assesses the potential that AI holds, and clarifies the framework that is necessary for pursuing a responsible approach to

AI. In a series of best-practice cases, the book subsequently highlights a broad range of sectors and industries, from production to services; from customer service to marketing and sales; and in industries like retail, health care, energy, transportation and many more. In closing, a dedicated chapter outlines a roadmap for a specific corporate AI journey. No one can ignore intensive work with AI today - neither as a private person, let alone as a top performer in

companies. This book offers a thorough, carefully crafted, and easy to understand entry into the field of AI. The central terms used in the AI context are given a very good explanation. In addition, a number of cases show what AI can do today and where the journey is heading. An important book that you should not miss! Professor Dr. Harley Krohmer University of Bern "Inspiring, thought provoking and comprehensive, this book is wittingly designed to be

a catalyst for your individual and corporate AI journey." Avo Schönbohm, Professor at the Berlin School of Economics and Law, Enterprise Game Designer at LUDEO and Business Punk
How 50 Successful Companies Used AI and Machine Learning to Solve Problems Springer
Artificial Intelligence, the Revolutionary Transformation that no one can escape
DESCRIPTION The book 'Artificial Intelligence for All' is a snapshot of AI

applications in different industries, society, and everyday life. The book is written considering possibilities AI can bring in the Indian context and considering Indian industries and economy at the center stage. The book starts with describing the race for the supremacy of different countries in the field of Artificial Intelligence that has already taken a great momentum and how AI has managed to influence even mainstream politics and the world leaders. In the subsequent chapters,

the book brings in AI applications primarily in the Banking and Finance sectors like Financial Crime detection using AI, Credit Risk Assessment, AI-powered conversational banking, Predictive Analytics, and recommendations in Banking and Finance. In few of the chapters, it goes deep into Machine Learning, Deep Learning, Neural Network and analogy with the human brain for readers who wants to go deeper into the subject, at the same time the content and

explanations remain very simple for non-technical readers. How AI is powering the self-driving autonomous vehicles and its implication in the society, job, and the world economy, and it's transforming the world of home automation, will be another area of interest in the book. A full chapter is dedicated for CIOs and CTOs to consider AI top in their priority list. Applications of AI in Sports are going to be interesting for sports lovers as well as professionals working in

the Sports and Computer Games domain. The book also gives special emphasis on Conversational AI like Virtual Assistances and ChatBots and their utility in different sectors. A chapter dedicated for healthcare and medicine provides a complete overview of AI applications in the field and how it's transforming clinical imaging, personalized medicines, drug discovery, and predictions and forecasting health-related events and many more.

Cognitive Cyber Security using AI and Machine Learning would be an area of interest for the readers in the field of Cyber Security. The chapter talks about various modern cognitive cybersecurity tools and techniques to fight with the ever-evolving cybercrime space. 'Journey of a Digital Traveler' describes how AI is transforming the travel and tourism industry. The book also includes top 100 business use cases which illustrate possible applications in various

fields. **KEY FEATURES**
Provides perfect 'playground' for enterprises and institutions globally to develop Artificial Intelligence solutions The world has achieved an enormous amount of technological advancement and skyrocketing progress in mass Digitization, Data Science, and FinTech The gist of the golden era of AI and FinTech AI-powered autonomous vehicles are undoubtedly the future. Autonomous vehicles are the dawn of a whole new

lifestyle Using Artificial Intelligence to redefine their products, processes and strategies Providing banking and financial services to the customers through a variety of digital channels A preliminary guide for enterprises and businesses to revisit their AI strategy WHAT WILL YOU LEARN This book is for both technical and non-technical readers, a cutting edge technology like Artificial Intelligence is simplified for all and a genuine effort has been made to democratize it as

much as possible. The book will provide insights into the real applications of AI in different industries like health care and medicine, banking and finance, manufacturing, retail, sports, and many more, including how it's transforming our life which probably many of us are not even aware of. And most importantly how a country like India can be benefited by embracing this groundbreaking technology and the huge opportunities and economic impact that AI can bring. Also, you will

get to know how different countries like USA, CHINA, UK, EUROPE, RUSSIA, including INDIA is already in the race of being AI Superpower; because AI is the future and whoever becomes the leader in AI will become the ruler of the world. WHO THIS BOOK IS FOR This book is useful for AI Professionals, Data Scientists..... The content of the book is for both Technical and Non Technical readers who wants to know the applications of AI in different industries. No prior technical or

programming experience is required to understand this book. This book can be used as a hand book for Data Scientist and Business SMEs who are in the process of identifying different use cases of Artificial Intelligence in their respective domains.

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Business Purpose Design Springer Nature

With the exception of written letters and personal conversations, digital technology forms the basis of nearly every means of communication and information that we use today. It is also used to control the essential elements of economic, scientific, and public and private life: security, production, mobility, media, and healthcare. Without exaggerating it is possible to say that digital technology has become

one of the foundations of our technologically oriented civilization. The benefits of modern data technology are so impressive and the potential for future applications so enormous that we cannot fail to promote its development if we are to retain our leading role in the competitive international marketplace. In this process, security plays a vital role in each of the areas of application of

digital technology — the more technological sectors are entrusted to data systems technology, the more important their reliability becomes to us. Developing digital systems further while simultaneously ensuring that they always act and respond in the best interests of people is a central goal of the technological research and development propagated and conducted by Fraunhofer.

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