

1. Record Nr.	UNISA990000048700203316
Autore	STEELE, Richard
Titolo	Selections from The tatler and The spectator / Richard Steele and Joseph Addison ; edited with an introduction and notes by Angus Ross
Pubbl/distr/stampa	London [etc.] : Penguin books, 1982
ISBN	0-14-043298-1
Descrizione fisica	591 p. ; 20 cm
Altri autori (Persone)	ADDISON, Joseph
Disciplina	824.5
Collocazione	VII.3.B. 976(II i C 1531)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9911006583603321
Autore	Enamulahaqa
Titolo	AI Horizons : Shaping a Better Future Through Responsible Innovation and Human Collaboration
Pubbl/distr/stampa	Bloomfield : , : Mercury Learning & Information, , 2023 ©2024
ISBN	9781501518430 1501518437
Edizione	[1st ed.]
Descrizione fisica	1 online resource (245 pages)
Collana	Computing and Information Technology Series
Soggetti	Artificial intelligence - Social aspects Ethics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Cover -- Half Title -- Title -- Copyright -- Dedication -- Contents -- Preface -- Introduction -- Chapter 1: Focusing On AI Ethics and Social Impact -- Introduction -- Privacy Concerns in AI -- Data Collection and Usage -- Data Protection and Security -- Consent and Control -- Regulatory Challenges -- Addressing These Concerns -- Solutions and Strategies -- Role of Various Stakeholders in AI Privacy -- Ethical Considerations in AI Development and Deployment -- Case Studies -- Future Outlook -- Fairness, Bias, and Accountability -- Introduction to Fairness -- Understanding Fairness in AI -- Sources of Bias in AI Systems -- Consequences of Bias in AI Systems -- Strategies for Mitigating Bias -- Transparency and Explainability -- Ethical and Legal Considerations -- Measuring and Evaluating Fairness -- Ensuring Accountability in AI Systems -- Real-World Examples -- Future Challenges and Opportunities -- Challenges -- Transparency and Explainability -- Explainable AI -- The Importance of Transparency and Explainability -- Making AI Decisions Explainable -- Challenges in Achieving Transparency and Explainability -- Ethical Challenges -- Techniques for Enhancing Transparency and Explainability -- Real-World Examples of Transparent and Explainable AI -- Future Prospects -- Digital Divide and Inclusivity -- Impact of the Digital Divide -- Role of AI in Bridging the Digital Divide -- Challenges in Promoting Inclusivity in AI -- Best Practices for Inclusive AI -- Case Studies -- Autonomy and Decision-Making -- Definitions and Difference -- Human-AI Interaction Models -- The Evolution of Decision-Making -- The Role of AI in Decision-Making -- Implementing AI in Organizational Structure -- Measuring Decision-Making Effectiveness -- Choosing the Right System -- Impact of AI/ML -- Challenges and Risks -- Ethical Considerations in AI Decision-Making. Corporate Interests and AI Decision-Making -- Balancing Convenience and Autonomy -- Designing AI for Human Autonomy -- The Role of Humans in the AI Decision-Making Process -- Impact of AI on Human Agency -- AI and Decision-Making Skills -- AI, Autonomy, and Governance -- Legal and Regulatory Considerations -- Trust in AI Decision-Making -- Bias and Fairness -- Global Perspectives on AI and Autonomy -- Future Trends -- The Next Phase in Evolution -- Human-Centric AI -- Designing AI for Human Well-Being -- Ensuring AI Serves Human Needs -- AI and Emotional Intelligence -- Collaborative AI -- Explainable AI (XAI) -- Personalized AI Experiences -- Accessibility and Inclusivity in AI Design -- Human Oversight and Control -- Continuous Learning and Feedback Loops -- Societal Impact of AI -- Impact on Employment and Economic Inequality -- Effects on Social Interactions and Cultural Values -- Ethical Considerations in AI Development -- Ethical Responsibilities of AI Developers and Operators -- Ethical Guidelines and Frameworks for AI Development -- The Role of Regulation in AI -- The Need for Regulatory Frameworks -- Ensuring Responsible and Ethical Development -- Chapter 2: AI Applications and Real-World Case Studies -- Introduction -- AI in Health Care -- AI-Driven Diagnostics and Treatment -- Personalized Medicine -- Case Study: AI in Pandemic Management -- The Future of Health Care -- AI in Education -- Personalized Learning Experiences -- AI in Educational Administration -- Case Study: AI in Online Learning Platforms -- The Future of AI in Education -- AI in Finance -- AI's Influence on Finance -- AI and Personalization -- AI as Financial Companion -- Workforce Evolution: Reskilling Because of AI -- Imperatives for Ethical and Sustainable AI in Finance -- A Better Future with AI Collaboration -- AI in Finance Case Studies -- AI in Manufacturing. Mass Customization and the Consumer Connection -- When Algorithms Create and Manage Systems -- From Factory Floor to Data

Center -- AI in Manufacturing Case Studies -- AI in Entertainment -- AI and Immersive Storytelling -- The "Democratization" of Entertainment -- AI's Broader Impact -- The Future of AI-Augmented Entertainment -- AI in Entertainment Case Studies -- AI in the Environment -- AI as the "Steward" of Natural Resources -- AI Can Manage the Biosphere -- Prioritizing Action with Conflicting AI Predictions -- Patents and Generative AI in Materials Science -- AI as an "Earth Systems Optimizer" -- Addressing Concerns -- AI in Environment Case Studies -- AI in Transportation -- AI and Its Effects on Transportation -- Transportation Improved by AI -- AI in Transportation Case Studies -- AI and Space -- AI as a Tool for Exoplanet Discovery -- AI Monitoring the Earth -- AI and Threats from Space -- AI and the Data Issues in Space Exploration -- AI in Space Sciences Case Studies -- Amazing Future Industries -- Chapter 3: AI In Emerging Markets -- Introduction -- AI in Emerging Markets -- AI Adoption in Emerging Economies -- AI Adoption Case Studies -- Challenges and Opportunities -- Examples of AI in Sustainable Development -- The Future of Emerging Markets -- Chapter 4: The Human-AI Partnership -- Introduction -- The Human-AI Partnership -- A Symbiotic Relationship Between Humans and AI -- Augmenting Human Intelligence and Creativity -- The Core Elements of Augmentation -- The Benefits of the Human-AI Partnership -- Implementing AI Augmentation Responsibly -- Human-Centric Design (HCD) -- Human-Centric Design Principles -- The HCD Process -- Why HCD Matters -- The Human-AI Advantage -- Responsible AI Development -- Chapter 5: AI Governance and Policy -- Introduction -- AI Governance and Policy -- Role of Governments in AI. Regulatory Organizations and International Groups -- Legal and Ethical Frameworks -- Effective (and Ineffective) AI Governance -- Global AI Governance -- International Cooperation and Challenges -- AI Regulation: An Art -- Emerging Trends in AI Governance -- Chapter 6: Public Perception, Acceptance, and Literacy of AI -- Introduction -- Policy Perception, Acceptance, and Literacy -- Public Perception and Acceptance of AI -- Promoting AI Literacy -- Making AI Literacy the Norm -- Multi-Stakeholder Initiatives for AI Development -- Effective Collaboration -- The Future of AI in Global Crisis Management and Human Enhancement -- Chapter 7: AI Risk Factors and How to Mitigate Them -- Introduction -- AI Risk and Mitigation -- Education, Retraining, and Social Safety Nets -- Understanding and Managing AI's Ethical Implications -- AI's Entanglement with Everything -- Principles-Based AI Regulation -- Questions of AI Ownership -- The AI Hype Cycle vs. The Work of Mitigation -- International Competition and Unequal Impact -- Addressing Soft Risks from AI -- Humans and AI Safeguards -- Data Bias and Mitigation Strategies -- Real-World Case Studies in Successful Mitigation -- Chapter 8: Generative AI: Conversational Agents and Beyond -- Introduction -- Generative AI -- Historical Evolution of Generative AI -- Exploring the Underlying Technologies of Generative AI -- Chatbots and Conversational Agents -- Applications of Generative AI in Various Industries -- Generative AI in Creative Fields -- The Future of Employment in the Age of Generative AI -- Policy Implications and Regulatory Challenges -- Public Perception and Societal Impact -- Case Study: Real-World Implementation of a Generative AI System -- Predictions and Future Outlook -- Appendix -- References -- About the Author -- Index.

---

## Sommario/riassunto

This book explores the ethical, social, and practical implications of artificial intelligence (AI) and its transformative impact on various sectors such as healthcare, education, finance, and manufacturing. It addresses critical issues such as privacy, bias, inclusivity, and transparency in AI systems, advocating for responsible innovation and

human collaboration. Through real-world case studies, the book highlights the potential of AI to bridge digital divides, enhance human autonomy, and improve societal well-being. The author aims to provide insights into the future of AI, emphasizing the need for ethical guidelines and regulatory frameworks to ensure AI serves human needs responsibly. This work is intended for professionals, educators, and policymakers interested in the ethical development and implementation of AI technologies.

---