Open AI and Computational Intelligence for Society 5.0

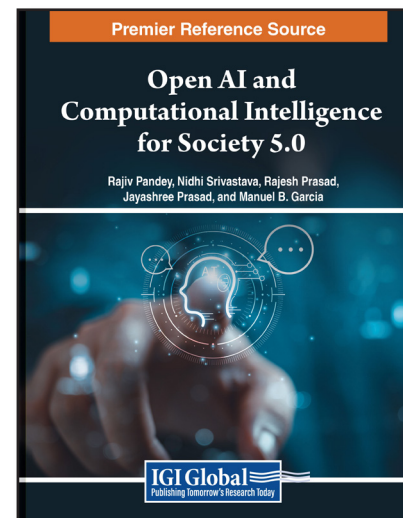Part of the Advances in Computational Intelligence and Robotics Book Series

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Description:

As technology rapidly advances, the complexity of societal challenges grows, necessitating intelligent solutions that can adapt and evolve. However, developing such solutions requires a deep understanding of computational intelligence (CI) and its application in addressing real-world problems. Moreover, ethical considerations surrounding AI, such as bias and accountability, are crucial to ensure responsible development and deployment of intelligent systems.

Open AI and Computational Intelligence for Society 5.0 offers a comprehensive exploration of CI, providing insights into intelligent systems' theory, design, and application. This book is a practical guide for scientists, engineers, and researchers seeking to develop thoughtful solutions for complex societal issues. Integrating disruptive technologies and frameworks illuminates the path toward creating intelligent machines collaborating with humans to enhance problem-solving and improve quality of life.

This extensive research book is tailored for professionals and postgraduate students in fields like IoT, AI/ML, and city planning. It delves into domain-specific applications of AI and CI in areas such as healthcare, smart cities, and finance, directly relevant to your interests. It also addresses ethical considerations, ensuring that advancements in AI are made responsibly. With a blend of theoretical insights and real-world use cases, this book equips you with the knowledge and tools needed to navigate the complexities of AI and CI, contributing to the advancement of Society 5.0.

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Hardcover: $380.00   **E-Book:** $380.00   **Hardcover + E-Book:** $460.00

Topics Covered:

- Adaptive Intelligent Tutoring Systems
- Advances in AI
- Agriculture
- Bias in AI
- Climate Change Mitigation
- Cognitive Computing Systems
- Computational Intelligence
- Deep Learning Models
- Domain-Specific Applications
- Education
- Ethical Considerations
- Evolutionary Computation
- Finance
- Fuzzy Systems

Subject: Computer Science & Information Technology

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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