

Artificial Intelligence for Everyone

About the Book

Artificial Intelligence for Everyone is a structured and syllabus-oriented textbook that introduces the Fundamental Concepts, Methodologies, and Applications of Artificial Intelligence (AI) for students of higher education in India. The book is designed to meet the academic requirements of AICTE, UGC, and university-level curricula, while maintaining conceptual clarity and real-world relevance.

The book covers the core theoretical foundations of AI, including problem solving, state-space search, uninformed and informed search strategies, heuristic techniques, constraint satisfaction problems, adversarial search, and optimization-based approaches. It also provides a systematic treatment of knowledge representation and reasoning, with emphasis on first-order logic, inference mechanisms, resolution, and reasoning systems.

This textbook serves as a comprehensive learning resource for undergraduate and postgraduate students, educators, and self-learners seeking a balanced understanding of Artificial Intelligence from both academic and applied perspectives.

About the Authors



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