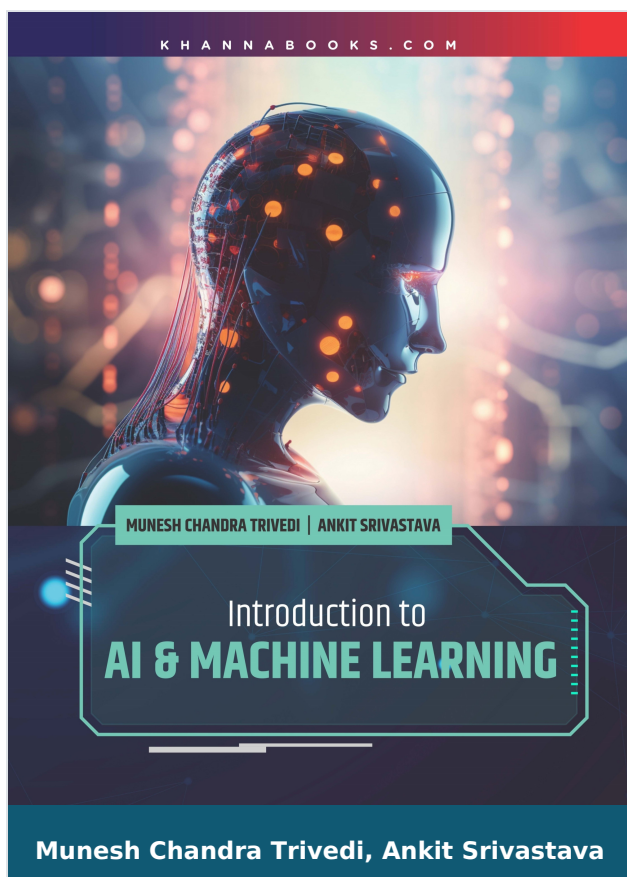




Introduction to AI & Machine Learning

Author : Munesh Chandra Trivedi, Ankit Srivastava

ISBN 13 : 978-93-55386-88-5

ISBN 10 : 9355386885

E-ISBN 13 : 978-93-55386-88-5

Edition : 1

Pages : 336

Type of book : Physical

Year : 2025

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 495.00

Categories : [Emerging Technologies, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

INTRODUCTION TO AI & MACHINE LEARNING

“Introduction to AI and Machine Learning” is a comprehensive guide designed for readers who are new to the fields of artificial intelligence (AI) and machine learning (ML). The book aims to demystify these valuable insights for those with some foundation knowledge.

This book is ideal for students and educators seeking a thorough introduction to AI and ML. By the end of the book, readers will have a solid understanding of the fundamental concepts of AI and ML and will be able to write basic AI and ML programs using python.

KEY FEATURES OF THE BOOK

1. **Simple Language:** Utilizes straightforward and easily understandable language throughout the text.
2. **Engaging Learning Experience:** Incorporates hands-on activities to enhance the learning experience.
3. **Foundational Concepts:** Introduces AI and ML, covering weak vs. strong AI, machine learning methods (supervised, unsupervised and reinforcement learning), and optimization techniques.
4. **Search Algorithms:** Discusses problem-solving strategies such as BFS, DFS, and A*, with illustrations from examples like the water jug and 8-queen problems.
5. **Practical Applications:** Highlights real-world applications across various industries, supported by case studies and examples.
6. **Hands on Approach:** Offers practical exercises and coding examples using python for a better understanding of the subject.

Table Of Contents

- Artificial Intelligence.
- (Idea of Machine Learning).
- Linear Regression.
- (Logistic Regression).
- (Discussion on clustering).
- Question Bank

Author

Munesh Chandra Trivedi

Dr. Munesh Chandra Trivedi has more than 20 years of experience in the field of computer science & Engineering and has worked in Prestigious Institutions. He has more than 10 years' experience in various administrative responsibilities e.g., Dean (academics), Head of Department, TEQIP-111 Coordinator, PG coordinator, EDC cell Coordinator. Currently working Tripura, India, and Associate Professor and HoD (IT), Rajkiya Engineering College, Azamgarh, up (state Govt Institution of UP) with the additional responsibility of Dean Academics of the institute & Associate Dean UG Programs, Dr. APJ Abdul Kalam Technical University, Lucknow (State Technical University). He was also the Director (In-charge) at Rajkiya Engineering College, Azamgarh. He had successfully filed 81 patents (65 National and 16 International Patents (Germany, South Africa, and Australia)), out of which 40 patents were granted. He has published 12 textbooks and 168 research papers in different International Journals and proceedings of repute. He has also edited 38 books for springer Nature. He successfully supervised 14 PhD students and received numerous awards, including the Young scientist Visiting Fellowship, Albert Einstein Research scientist Award, Best senior Faculty Award, Outstanding Scientist, Dronacharya Award, Author of the Year, and vigyan Ratan award

from different national, as well as international forums. He has organized more than 32 international conferences technically sponsored by IEEE, ACM, AND Springer. Dr.

Ankit Srivastava

Mr. Ankit Srivastava is a dedicated academic and researcher with over six years of teaching experience in various engineering colleges and the National Institute of Electronics and Information Technology (NIT), Agartala, Tripura, India. His research primarily focuses on medical imaging and image processing, with an emphasis on leveraging artificial intelligence to contribute to technological advancements in healthcare. Mr. Srivastava has published six research papers in reputed SCI-E and Scopus-Indexed Journal, as well as in several national and international conferences. He also holds three national patents and is the author of a book titled "Introduction to AI and Machine Learning." His academic journey reflects a strong commitment to innovation, Knowledge dissemination, and research excellence in the field of artificial intelligence and its application in medical science.