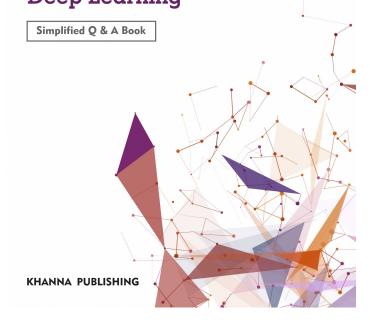


Rajiv Chopra

Data Science With Artificial Intelligence, Machine Learning and Deep Learning



Data Science with Artificial Intelligence, Machine Learning and Deep Learning

Author: Rajiv Chopra

ISBN 13: 978-93-55380-82-1

ISBN 10: 93-55380-82-8

E-ISBN 13: 978-93-55380-82-1

Edition: First Pages: 956

Type of

book:

Paperback

Year: 2022

Language: English

Publisher: Khanna Publishing House

Price: Rs 937.50

Categories: Computer Science Engineering, New Arrivals,

Khanna Publishing House

Condition

Type:

New

Country

Origin: India

Product Description

The Present book takes a student from "unknown to known" and "simple to complex" principles of Data Science. This book is user-friendly, thought provoking and stimulating. It helps in clearing the cobwebs of the mind and the subject. The style used is lucid and un-adulterated. What stands out is the stark simplicity with which the ideas have been portrayed.

A good book should teach the customary and effective ways to structure your code in such a way that data engineering is not havoc.

Python is an object-oriented programming language that is used in this book. The book is divided in to 4 Units:-

Unit-1 has 15 chapters on Artificial Intelligence.

Unit-2 has 7 chapters that explain Machine Learning and IOT.

Unit-3 has 10 chapters each focusing on DEEP Learning.

Unit-4 has 1 chapter that explain Data Sciences.



Table of Contents

Unit-I: Artificial Intelligence

- 1- Introduction to AI
- 2- Intelligent Agents
- 3- AI Approaches
- 4- Uninformed Search Strategies
- 5- Informed Search
- 6- Games Solving
- 7- Constraint Satisfaction Problems
- 8- Knowledge Representation
- 9- AI Retrospectives
- 10-Representation Knowledge
- 11- Planning & Learning
- 12-Uncertain Knowledge & Reasoning
- 13- NLP
- 14- Expert Systems
- 15- ANNS

Unit-II:- Machine Learning

- 1- Introduction to ML
- 2- Types of Learning
- 3- Classification Families
- 4- Learning Algorithms
- 5- Unsupervised Learning and their Algorithms
- 6- Reinforcement Learning and Control
- 7- loT and ML

UNIT-III:- Deep Learning

- 1- The Neural Network (DL)
- 2- Machine Learning Retrospective
- 3-Deep feed forward Networks
- 4- Deep Learning Optimization
- 5- CNNs
- 6- Sequence Analysis
- 7- Practical Deep Learning
- 8- Applications of Deep Learning
- 9- Deep Learning Survey

Roses are Red, Violets are Blue, Deep Learning Can Recognize Objects for you.



Author

Rajiv Chopra

Dr. Rajiv Chopra has a Doctorate in Computer Science from Banasthali VidyaPith University. The author is M. Tech. in Information Technology from GGSIPU, Delhi. He did BE (CSE) from SDM College of Engg. and Technology, Dharwad and MIT from MAHE. He is working as an Associate Professor in CSE Department at Guru Tegh Bahadur Institute of Information Technology, GGSIPU Delhi. As an educator he has contributed to 21 research publications in Refereed, cited International Conferences and International Journals and attended 21 conferences, workshops, FDPs and seminars. He is a prolific author with 26 Text and Reference books to his credit, for B. Tech. (CSE/IT), M. Tech. (CSE/IT), BCA, MCA and other courses of different Universities of India.

