



Machine Learning and Artificial Intelligence in Today's Perspective

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PREFACE

This book is about the Machine Learning (ML) and the applications of Artificial Intelligence (AI) in the various fields of ML. The authors have explained the use of AI in some of the eminent fields of ML to expand its scope of applicability like: Computing, Agriculture, Healthcare.

This book describes the basic building blocks of AI that can be implemented in ML to improve its effectiveness. Also, describes the integration of AI with Cloud to expand its impact / Computing area. As a part of computing process in ML, this book also describes the Data Discretization in Data Mining using ML. This book further evaluates the stack organization explaining the online / remote computing using ML and AI. Additionally, the Blockchain based Voting System using Smart Contract highlights and explains the use of ML and AI.

This book in the modern perspective also elaborates the use of ML in resilient agriculture. Further, the use of ML & AI in healthcare applications like: Breast Cancer Detection & Classification and Brain Cancer treatments has been explained.

Finally, the dark side of AI mainly the generated threats and attacks have been explained in this book.

To conclude, the growing impact of Machine Learning in combination with Artificial Intelligence has been described in this book. We sincerely hope that our work will contribute in providing further research directions in the area of Machine Learning and Artificial Intelligence.

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