1. Record Nr. UNISALENTO991002908899707536

Autore	Beltrami, Luca
Titolo	Alessandro Manzoni / di Luca Beltrami
Pubbl/distr/stampa	Milano : U. Hoepli, 1898
Descrizione fisica	190 p., [16] p. : ill. ; 16 cm
Collana	Manuali Hoepli. Serie scientifica ; 266
Soggetti	Manzoni, Alessandro
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Con 9 autografi e 58 illustrazioni.

2. Record Nr. UNINA9910683352603321

Autore	Teoh Teik Toe
Titolo	Convolutional Neural Networks for Medical Applications / / by Teik Toe Teoh
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789811988141 9789811988134
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (103 pages)
Collana	SpringerBriefs in Computer Science, , 2191-5776
Disciplina	616.0754
Soggetti	Computer vision Medical sciences Artificial intelligence Machine learning Image processing Artificial intelligence - Data processing Computer Vision Health Sciences Artificial Intelligence Machine Learning Image Processing Data Science

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1) Introduction -- 2) CNN for Brain Tumor classification -- 3) CNN for Pneumonia image classification -- 4) CNN for White Blood Cell classification -- 5) CNN for Skin Cancer classification -- 6) CNN for Diabetic Retinopathy detection.
Sommario/riassunto	Convolutional Neural Networks for Medical Applications consists of research investigated by the author, containing state-of-the-art knowledge, authored by Dr Teoh Teik Toe, in applying Convolutional Neural Networks (CNNs) to the medical imagery domain. This book will expose researchers to various applications and techniques applied with deep learning on medical images, as well as unique techniques to enhance the performance of these networks.Through the various chapters and topics covered, this book provides knowledge about the fundamentals of deep learning to a common reader while allowing a research scholar to identify some futuristic problem areas. The topics covered include brain tumor classification, pneumonia image classification, white blood cell classification, skin cancer classification and diabetic retinopathy detection. The first chapter will begin by introducing various topics used in training CNNs to help readers with common concepts covered across the book. Each chapter begins by providing information about the disease, its implications to the affected and how the use of CNNs can help to tackle issues faced in healthcare. Readers would be exposed to various performance enhancement techniques, which have been tried and tested successfully, such as specific data augmentations and image processing techniques utilized to improve the accuracy of the models.