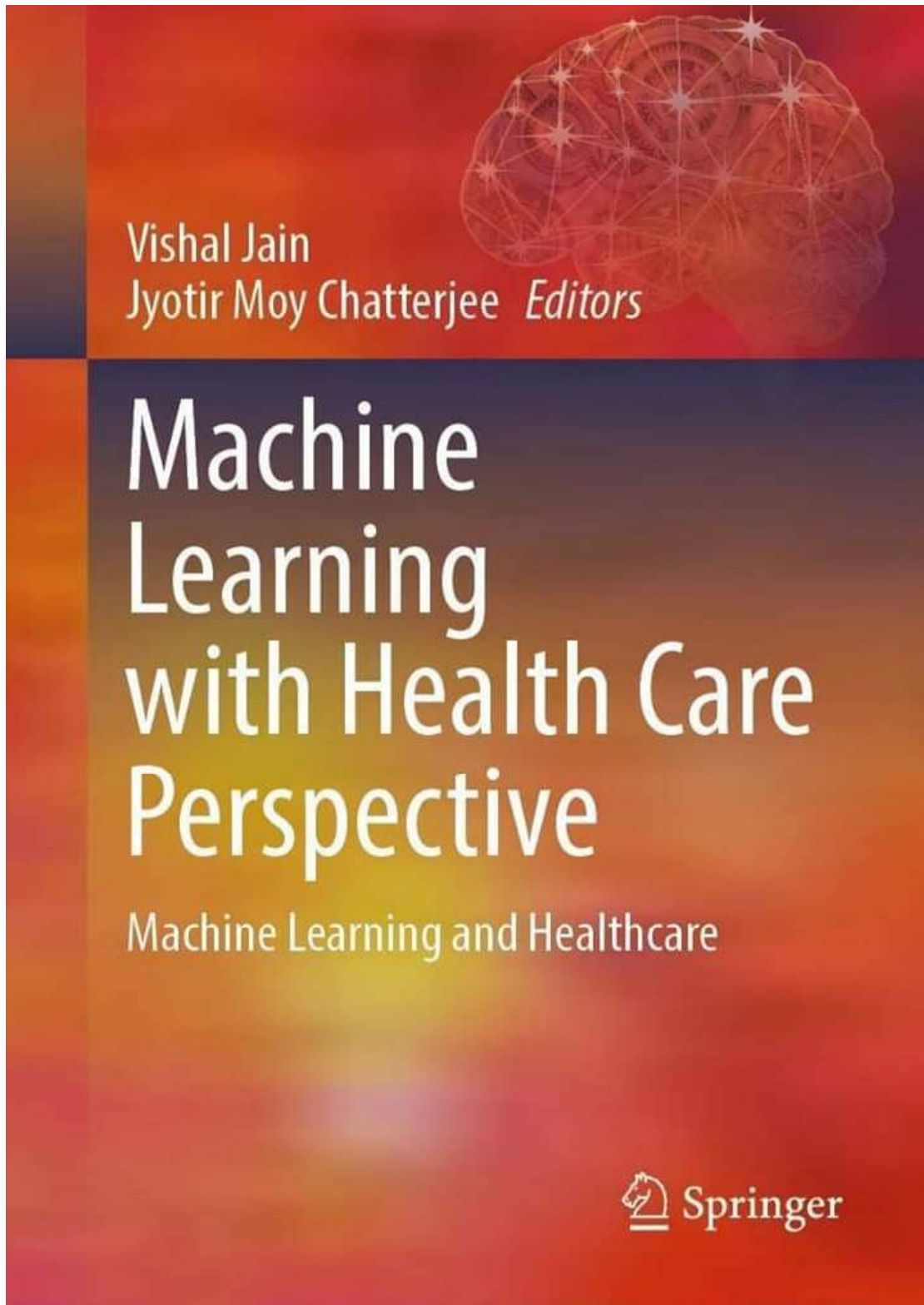## Cyber Books (An Initiative by) Scholastic Seed Inc.

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Vishal Jain
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CALL FOR CHAPTERS

Internet of Things and Machine Learning in Agriculture

Technological Impacts and Challenges

Introduction

Agriculture is one of the most fundamental human activities. As long as we've pursued it, we've tried to master it. Better techniques meant greater yields. In this book we will try to explorae the impacts of ML and IoT in Agriculture sector and we will try to point out the challenges facing by the agro industry which can be solved by both Machine Learning and Internet of Things.

Table of Content

- Plant & Soil Monitoring For Precision Farming using data analytics
- Sensing for soil moisture and nutrients with supervised learning concept
- Controlling water usage for optimal plant growth with application of Sensors
- Determining custom fertilizer profiles based on soil chemistry using machine learning
- Determining the optimal time to plant and harvest using CNN
- Reporting weather conditions regression and prediction techniques.
- An Efficient Machine Learning Regression Model for Rainfall Prediction
- Heuristic Prediction of Rainfall Using Machine Learning Techniques
- Plant disease detection by imaging sensors
- Using deep learning for image-based plant disease detection
- Current and prospective methods for plant disease detection
- Internet of things platform for smart farming
- UAV-based crop and weed classification for smart farming
- Development of Precision Agriculture and Innovation of Engineering Technologies
- Remote sensing applications for precision agriculture

Important Dates

Call for Abstract Submission
(500-1000 Words):   31st March   2020

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