



## Building a Recommendation Engine with Scala

*Saleem Ansari*

Download now

[Click here](#) if your download doesn't start automatically

# Building a Recommendation Engine with Scala

*Saleem Ansari*

## Building a Recommendation Engine with Scala Saleem Ansari

### Key Features

- Learn the basics of a recommendation engine and its application in e-commerce
- Discover the tools and machine learning methods required to build a recommendation engine
- Explore different kinds of recommendation engines using Scala libraries such as MLlib and Spark

### Book Description

With an increase of data in online e-commerce systems, the challenges in assisting users with narrowing down their search have grown dramatically. The various tools available in the Scala ecosystem enable developers to build a processing pipeline to meet those challenges and create a recommendation system to accelerate business growth and leverage brand advocacy for your clients.

This book provides you with the Scala knowledge you need to build a recommendation engine.

You'll be introduced to Scala and other related tools to set the stage for the project and familiarise yourself with the different stages in the data processing pipeline, including at which stages you can leverage the power of Scala and related tools. You'll also discover different machine learning algorithms using MLlib.

As the book progresses, you will gain detailed knowledge of what constitutes a collaborative filtering based recommendation and explore different methods to improve users' recommendation.

### What you will learn

- Discover the tools in the Scala ecosystem
- Understand the challenges faced in e-commerce systems and learn how you can solve those challenges with a recommendation engine
- Familiarise yourself with machine learning algorithms provided by the Apache Spark framework
- Build different versions of recommendation engines from practical code examples
- Enhance the user experience by learning from user feedback
- Dive into the various techniques of recommender systems such as collaborative, content-based, and cross-recommendations

### About the Author

**Saleem Ansari** is a full-stack developer with over 8 years of industry experience. He has a special interest in machine learning and information retrieval. Having implemented data ingestion and a processing pipeline in Core Java and Ruby separately, he knows the challenges faced by huge data sets in such systems. He has worked for companies such as Red Hat, Impetus Technologies, Belzabar Software, and Exzeo Software. He is also a passionate member of free and open source software (FOSS) community. He started his journey with FOSS in the year 2004. The very next year, he formed JMILUG—Linux Users Group at Jamia Millia Islamia University, New Delhi. Since then, he has been contributing to FOSS by organizing community activities and contributing code to various projects (for more information, visit <http://github.com/tuxDNA>). He also mentors students about FOSS and its benefits.

In 2015, he reviewed two books related to Apache Mahout, namely Learning Apache Mahout and Apache Mahout Essentials; both the books were produced by Packt Publishing.

He blogs at <http://tuxdna.in/> and can be reached at [tuxdna@fedoraproject.org](mailto:tuxdna@fedoraproject.org) via e-mail.

## Table of Contents

1. Introduction to Scala and Machine Learning
2. Data Processing Pipeline Using Scala
3. Conceptualizing an E-Commerce Store
4. Machine Learning Algorithms
5. Recommendation Engines and Where They Fit in?
6. Collaborative Filtering versus Content-Based Recommendation Engines
7. Enhancing the User Experience
8. Learning from User Feedback



[Download Building a Recommendation Engine with Scala ...pdf](#)



[Read Online Building a Recommendation Engine with Scala ...pdf](#)

## **Download and Read Free Online Building a Recommendation Engine with Scala Saleem Ansari**

---

### **From reader reviews:**

#### **Daryl Thurmond:**

Nowadays reading books become more than want or need but also become a life style. This reading routine give you lot of advantages. The advantages you got of course the knowledge the actual information inside the book that improve your knowledge and information. The details you get based on what kind of book you read, if you want drive more knowledge just go with education and learning books but if you want experience happy read one using theme for entertaining such as comic or novel. The Building a Recommendation Engine with Scala is kind of book which is giving the reader unpredictable experience.

#### **Ricardo Bishop:**

The publication with title Building a Recommendation Engine with Scala posesses a lot of information that you can discover it. You can get a lot of benefit after read this book. That book exist new understanding the information that exist in this publication represented the condition of the world today. That is important to you to understand how the improvement of the world. This book will bring you within new era of the internationalization. You can read the e-book on the smart phone, so you can read the idea anywhere you want.

#### **Jose Johnson:**

Beside that Building a Recommendation Engine with Scala in your phone, it can give you a way to get closer to the new knowledge or information. The information and the knowledge you may got here is fresh through the oven so don't end up being worry if you feel like an older people live in narrow commune. It is good thing to have Building a Recommendation Engine with Scala because this book offers for your requirements readable information. Do you occasionally have book but you seldom get what it's about. Oh come on, that will not end up to happen if you have this inside your hand. The Enjoyable option here cannot be questionable, similar to treasuring beautiful island. So do you still want to miss that? Find this book as well as read it from at this point!

#### **Elmo Bragg:**

As we know that book is significant thing to add our information for everything. By a e-book we can know everything we wish. A book is a set of written, printed, illustrated or blank sheet. Every year ended up being exactly added. This e-book Building a Recommendation Engine with Scala was filled about science. Spend your extra time to add your knowledge about your scientific research competence. Some people has distinct feel when they reading any book. If you know how big benefit from a book, you can experience enjoy to read a book. In the modern era like at this point, many ways to get book which you wanted.

**Download and Read Online Building a Recommendation Engine with Scala Saleem Ansari #N5D7PE9VBWI**

# **Read Building a Recommendation Engine with Scala by Saleem Ansari for online ebook**

Building a Recommendation Engine with Scala by Saleem Ansari Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Building a Recommendation Engine with Scala by Saleem Ansari books to read online.

## **Online Building a Recommendation Engine with Scala by Saleem Ansari ebook PDF download**

**Building a Recommendation Engine with Scala by Saleem Ansari Doc**

**Building a Recommendation Engine with Scala by Saleem Ansari Mobipocket**

**Building a Recommendation Engine with Scala by Saleem Ansari EPub**