Since you want to boost your Machine Learning (ML) and Java knowledge with projects, here are the best books for you:

* Best Books for ML in Java with Projects

□'Machine Learning with Java" – Bostjan Kaluza

- Covers: Supervised & unsupervised learning, NLP, anomaly detection.
- Projects: Fraud detection, sentiment analysis, recommendation systems.
- Why? A hands-on guide for implementing ML in Java with real projects.

21'Machine Learning in Java" - Ashish Singhal & Tanuj Khare

- Covers: Weka, Deeplearning4j (DL4J), Apache Spark ML, NLP, text mining.
- Projects: Spam detection, face recognition, predictive analytics.
- Why? Covers multiple ML frameworks used in Java.

11 Deep Learning for Java" - Yusuke Sugomori

- Covers: Neural Networks, CNNs, RNNs, Reinforcement Learning with Deeplearning4j.
- Projects: Image classification, object detection, AI chatbots.
- Why? Best for deep learning in Java.

☐'Hands-On Artificial Intelligence with Java for Beginners" - Nisheeth Joshi

- Covers: AI + ML with Java, chatbot creation, rule-based AI systems.
- Projects: Al-based chatbots, stock market prediction.
- Why? Great for AI + ML together with Java.

Java + ML Projects to Work On (from Books & Beyond)

If you want real-world ML projects in Java, try these:

- Predictive Analytics Predict house prices using Apache Spark ML.
- Sentiment Analysis Use NLP to analyze customer reviews (Weka).
- Stock Price Prediction Use Deeplearning4j for time-series forecasting.
- Al Chatbot Create a rule-based Al chatbot using Java + NLP.
- Image Classification Build a CNN model in Java with DL4J.
- ✓ Recommendation System Create a movie recommendation system (Collaborative Filtering).

- ★ How to Use These Books Efficiently?
 - Start with ML Fundamentals → Machine Learning with Java (Bostjan Kaluza)
 - Learn ML Frameworks (Weka, DL4J, Spark ML) → Machine Learning in Java (Ashish Singhal)
 - For Deep Learning Projects → Deep Learning for Java (Yusuke Sugomori)
 - For Al-Based Projects → Hands-On Al with Java (Nisheeth Joshi)

Would you like a step-by-step roadmap to study ML with Java? 🚀