

# ■ Retail Billing System

## ■ About the Product

The Retail Billing System is an intelligent and user-friendly billing software designed to simplify sales, stock management, and reporting for modern retailers. It's not just a billing tool — it's a complete business assistant that helps shop owners track inventory, predict shortages, and make data-driven decisions.

## ■■ Core Features

- Quick Billing & Invoicing – Generate professional invoices in seconds.
- Stock & Inventory Management – Track product quantity, threshold, and categories.
- Real-Time Reports – Daily, weekly, and monthly sales summaries.
- Customer Management – Save customer info for repeat billing and loyalty.
- Role-Based Access – Separate dashboards for Admin, Cashier, and Manager.

## ■ Unique & Advanced Features

- AI-Powered Stock Prediction – Automatically predicts which products will run out soon based on sales trends.
- Digital Invoice via WhatsApp / SMS – Instantly sends customer receipts directly to their phone — no paper waste!
- Smart Threshold Alerts – Get notifications when stock falls below the minimum level.
- Supplier Integration – Generate automatic Purchase Orders when stock hits minimum threshold.
- Credit & Due Tracking – Record sales made on credit and send automated payment reminders.
- Interactive Sales Dashboard – View live sales data, top-selling products, and profit charts in one glance.
- Cloud Sync + Offline Mode – Works smoothly even without internet; auto-syncs when connection is restored.
- Multi-Branch Support – Manage multiple store branches with one login and compare performance.

- Loyalty & Rewards System – Reward repeat customers with loyalty points or discounts.
- Secure Audit Trail – Every change is recorded for transparency and trust.

## ■ **Technology Stack**

- Frontend: React.js + Bootstrap / Tailwind
- Backend: Spring Boot (REST APIs)
- Database: MySQL / PostgreSQL
- Cloud: AWS / Docker for deployment
- Auth: JWT / Keycloak for secure role-based access

## ■ **Why Choose Us?**

- Simplifies daily billing operations
- Saves time & reduces manual errors
- Offers predictive insights — not just reports
- Works on web and mobile browsers
- Designed for small & medium retail businesses

## ■ **Contact Us**

Developed by: Nisanth & Team

Department: Artificial Intelligence & Data Science

Email: nisanth.retailapp@gmail.com

Phone: +91 9XXXXXXXXX

GitHub: [github.com/Nisanth2004/Retail-Billing](https://github.com/Nisanth2004/Retail-Billing)