Technology Stack

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Project Name: Shop Smart: Your Digital Grocery Store Experience

1. Frontend (User Interface)

1. HTML5 – Structure of web pages
2. CSS3 – Styling and responsive design
3. JavaScript – Dynamic features
4. Bootstrap – Mobile friendly UI
5. React.js – Interactive experience

2. Backend (Server Side)

1. Node.js – Server runtime
2. Express.js – API routing
3. REST API – Communication layer

3. Database

1. MongoDB – Product and user storage

4. Authentication & Security

1. JWT Authentication
2. Password encryption using bcrypt
3. Input validation

5. Payment Integration

1. Razorpay / Stripe
2. Cash on Delivery

6. Tools & Platforms

1. Git & GitHub
2. VS Code
3. Postman
4. Chrome Developer Tools

7. Hosting / Deployment

1. Frontend: Netlify / Vercel
2. Backend: Render / Railway / Heroku
3. Database: MongoDB Atlas

Conclusion

The Shop Smart application uses a full-stack web architecture combining responsive frontend design, secure backend services, and a cloud database to provide a smooth online grocery shopping experience.