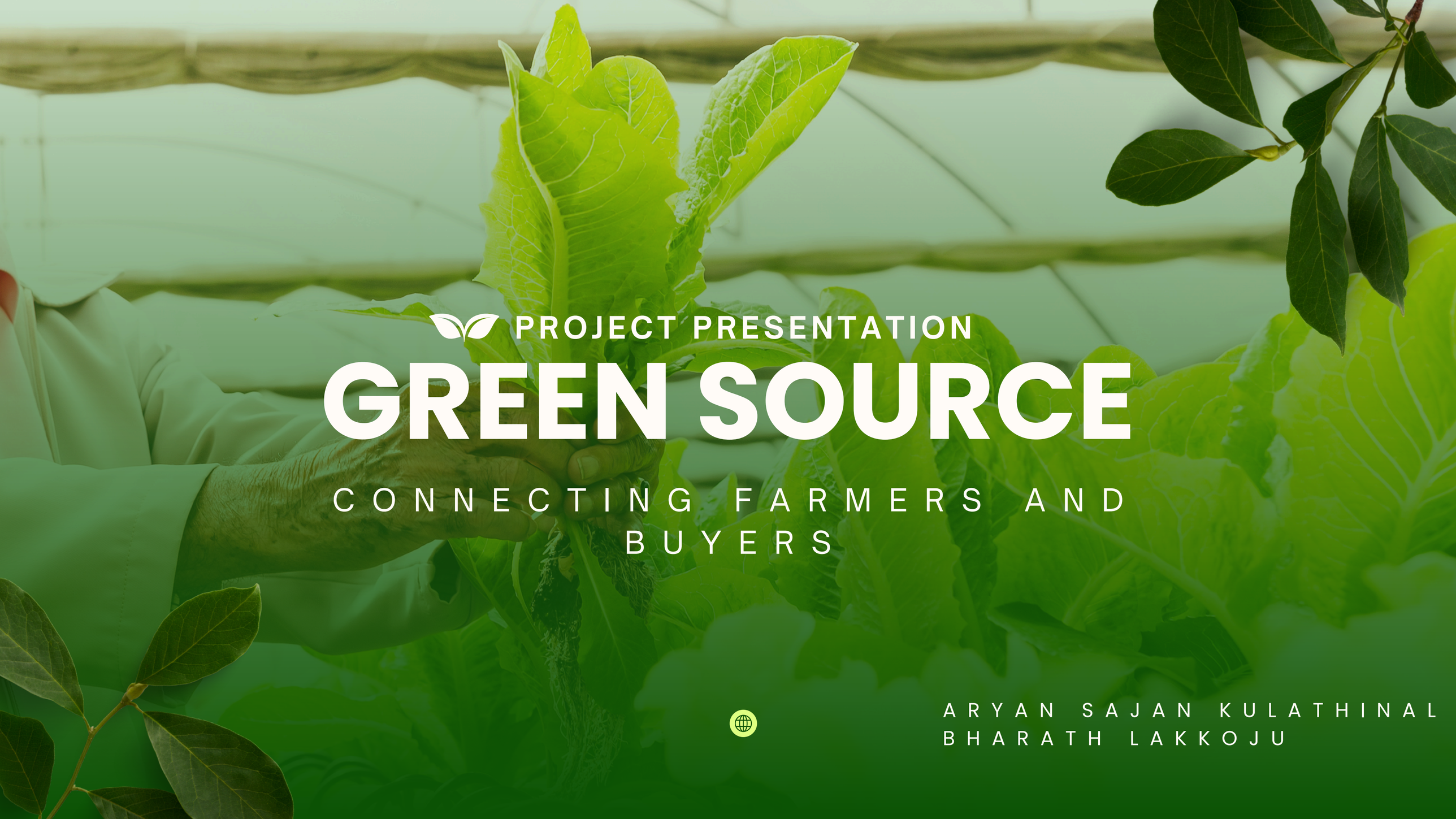

PROJECT PRESENTATION

GREEN SOURCE

CONNECTING FARMERS AND BUYERS

ARYAN SAJAN KULATHINAL
BHARATH LAKKOJU

GREEN SOURCE

AGENDA

- PROBLEM STATEMENT
- OBJECTIVES
- KEY FEATURES
- TECH STACK
- USER FLOW
- CHALLENGES FACED
- FUTURE SCOPE
- CONCLUSION

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PROBLEM STATEMENT

Small farmers often struggle to connect directly with consumers, facing challenges such as market access, pricing transparency, and managing sales efficiently. The current market landscape, dominated by intermediaries, leads to reduced profits for farmers and higher prices for consumers. This project aims to build an online platform that connects farmers directly with consumers, allowing farmers to list their products, view current market prices via a government API, and enabling consumers to browse, order, and communicate seamlessly

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OBJECTIVES

- Direct Connection: Facilitate a direct link between farmers and consumers, eliminating intermediaries.
- Product Visibility: Allow farmers to list and showcase their produce with detailed descriptions and images.
- Market Insights: Provide farmers with real-time market prices to help set competitive prices.
- User-Friendly Experience: Enable consumers to search, filter, and purchase products easily.
- Delivery Services: Assign delivery agents to manage deliveries, monitor tasks, and provide real-time updates.
- Admin Dashboard: Centralize order tracking, user management, and analytics for streamlined platform operations.

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KEY FEATURES

- Search and Discovery
- Product Management
- Market Price Viewing
- Order Management
- Delivery
- Reviews and Ratings
- Analytics and Insights
- Product Listing
- Buy/Sell Products
- Admin Dashboard
- Delivery Agent Dashboard
- Saved & Cart
- Live Price Tracking
- User Friendly UI

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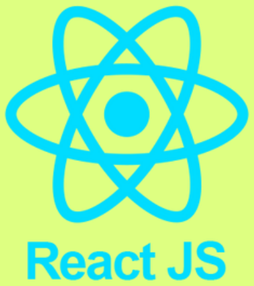
TECH STACK



FRONTEND

- React (for building user interfaces)
- Redux (for state management)
- Tailwind CSS (for styling)
- Axios (for handling API requests)

BACKEND

- Node.js (for server-side logic)
- Express.js (for routing and middleware)
- MongoDB (for database)
- Axios (for handling API requests)

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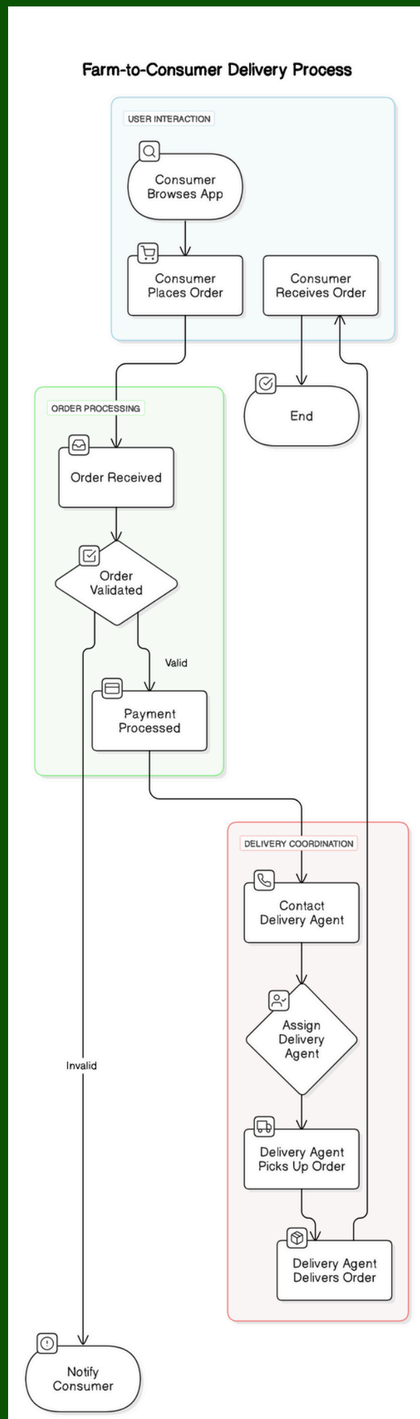
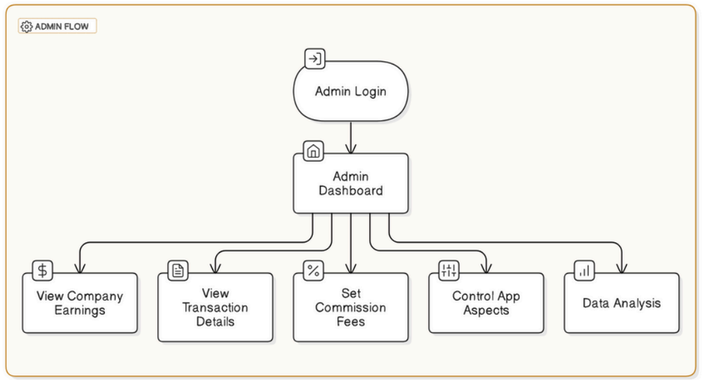
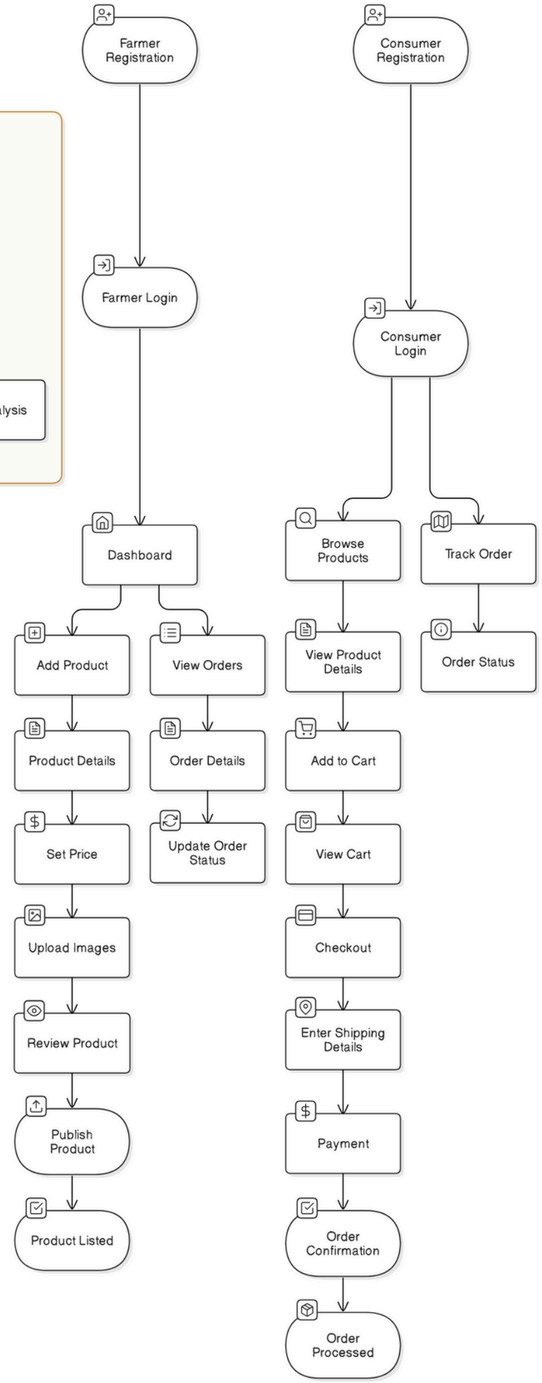
USER FLOW







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CHALLENGES FACED

- Frontend Backend Integration
- Delivery Service
- Authorization
- Updating multiple databases
- Extensive UI requirements
- Sharath’s new new suggestions

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FUTURE SCOPE

- Payment Gateway Integration
- Delivery Service Completion
- Notifications
- Improving the admin analytics
- Updating the UI

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TIMELINE

1. API Design (24/10/24)
2. Database Design (26/10/24)
3. Backend Implementation (27/10/24)
4. Frontend Implementation (30/10/24)
5. Frontend and Backend Integration (2/11/24)
6. Testing and Deployment (5/11/24)

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CONCLUSION

Our farmer-to-consumer platform bridges the gap between local producers and consumers, creating a transparent, efficient marketplace that benefits both. By enabling farmers to showcase products, access real-time market insights, and manage orders directly, we help them maximize profits and expand their reach. Consumers enjoy a seamless experience to discover, order, and receive fresh produce directly from farmers, with added convenience through delivery tracking and ratings. With an admin dashboard for oversight and scalability, our platform empowers communities to make sustainable choices while supporting local agriculture. Thank you for helping us bring this vision to life!


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THANK YOU