

**202412068**

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**Role : Frontend Developer**

## **Frontend Development – ArtyUs**

### **Frontend Overview**

The frontend of the project was developed using **React.js**, **Tailwind CSS**, and **Cloudinary** for media handling. All components were built with a focus on clean UI, reusability, and smooth user experience.

### **Frontend Responsibilities**

As the Frontend Developer, my key responsibilities included:

- Designing and implementing UI for dashboard and content pages
- Creating responsive layouts for all screen sizes
- Building reusable components (buttons, forms, tables, modals)
- Implementing product management features (Add, Update, Delete)
- Integrating Cloudinary for image upload
- Ensuring smooth navigation and state management
- Writing clean, maintainable code using modern React patterns

### **Pages & Modules Developed**

#### **✓ Trader Dashboard**

A dedicated dashboard for traders to manage their products.

## **Features built:**

- Add Product Form
- Update Product Form
- Delete Product functionality
- Product List Table
- Image upload with Cloudinary
- Validation & success/error states
- Responsive admin-friendly layout

### **✓ Add Product Form**

- Form fields: product name, price, category, image, description
- Form validation (required fields, image validation)
- Cloudinary image upload integration
- API integration for product creation
- Success/error toast notifications

### **✓ Update Product**

- Pre-filled form with existing product details
- Update API integration
- Change product image using Cloudinary
- Smooth UX with loading and error handling

### **✓ Delete Product**

- Delete button with confirmation dialog
- API integration for product removal
- Instant UI update after deletion

## ✓ Blog Page

A clean blog section for posting and reading informational content.

### Included elements:

- Blog listing layout
- Card design for each blog post
- Blog detail page UI
- SEO-friendly structure
- Mobile-friendly layout

## ✓ About Us Page

A static page highlighting brand information.

### Content included:

- Mission & vision
- Brand story
- Team section
- Contact information
- Clean and minimal UI

## Cloudinary Setup & Integration

### ✓ Cloudinary Setup

- Created Cloudinary account
- Configured Cloud name, API key, and preset
- Added environment variables in `.env`

- Installed Cloudinary upload library

## ✓ Cloudinary Integration

- Integrated Cloudinary into Add/Update product forms
- Real-time preview of uploaded image
- Error handling for invalid or failed uploads
- Stored Cloudinary URL in database through API

## UI/UX Design Principles Followed

- Clean, minimalistic design
- Consistent spacing and typography
- Reusable UI components
- Smooth navigation
- Fast & responsive layout
- User-centric interactions

## Tools & Technologies Used

- **React.js** – Component-based UI
- **Tailwind CSS** – Styling
- **Cloudinary** – Image upload
- **Axios / Fetch API** – API communication
- **GitHub** – Version control