



Wheelora

Smart Two-Wheeler Marketplace

One-stop platform for browsing, comparing & booking bikes, scooters, and EVs

Team QISICONS | Revolutionizing the two-wheeler discovery experience

The Problem We're Solving

Scattered Information

Users struggle to find comprehensive two-wheeler data across multiple fragmented websites and platforms.

Limited Comparison Tools

No unified platform exists for filtering by brand, price, fuel type, and mileage specifications.

Complex Buying Journey

Managing testmultiple rides, showroom visits, and used bike sales requires juggling disconnected services.



Why This Problem Matters

Market Opportunity

Two-wheeler demand continues to surge across India and global markets, creating massive opportunities for innovation.

EV adoption is accelerating rapidly, yet no central platform exists for comparing electric vehicles against traditional petrol and diesel bikes.

Real-World Impact

Current platforms focus solely on sales listings without providing complete solutions for buyers and dealers.

We chose this challenge because it addresses genuine pain points for millions of consumers and thousands of dealers worldwide.



Our Smart Solution:Wheelora



Centralized Browsing

Advanced filtering and search capabilities across all two-wheeler categories and brands.



Detailed Comparisons

Side-by-side model comparisons with comprehensive specifications and real-world performance data.



Financial Tools

Built-in EMI calculators, fuel cost estimators, and financing options for informed decision-making.



Test Ride Booking

Seamless showroom visits and test ride scheduling with dealer integration and notifications.





Technical Architecture



Frontend Layer

React + TailwindCSS with reusable components, React Query caching, and infinite scroll optimization



Backend APIs

Django REST Framework with modular APIs for Users, Dealers, Bikes, and Bookings plus JWT authentication



Data Layer

PostgreSQL with normalized schema, strategic indexing, partitioning, and Redis caching for performance

Core Platform Features



Advanced Search

Faceted search with filters for brand, price range, fuel type, mileage, and specifications



Model Comparison

Side-by-side comparisons with detailed specs, pricing, and performance metrics



Financial Tools

Integrated EMI calculator and real-time fuel cost analysis for budget planning



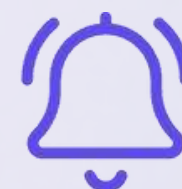
Used Vehicle Hub

Verified used bike listings with quality checks and dealer authentication



Test Ride Booking

Seamless showroom visits and test ride scheduling with dealer coordination



Launch Alerts

Notifications for upcoming model launches and price updates

AI-Powered Intelligence



Smart Chatbot Assistant

AI-powered recommendations based on budget and preferences. Example: "Budget ₹1,20,000" → Top 5 matching bikes with specs



Personalized Recommendations

Machine learning analyzes browsing history and similar user preferences for targeted suggestions



Dealer Analytics

Advanced dashboard showing sales trends, customer demand patterns, and market insights



Our Competitive Advantage

Complete Integration

First platform combining new bikes, used vehicles, and EVs in one seamless experience.

Future-Ready

AI/ML recommendations and scalable architecture prepared for market evolution.



Decision Support

Comprehensive financial tools including EMI calculators and real-time fuel cost analysis.

Two-Sided Market

Connects buyers and dealers through an optimized marketplace with mutual benefits.

Team QISICONS

Ch.Subramanyam

Frontend Developer specializing in React, TailwindCSS, and intuitive UI/UX design.

N.Manikanta

Backend Developer expert in Django REST Framework and scalable API architecture.

D.Swaraj

Database Engineer focused on PostgreSQL optimization and data modeling excellence.

Y.Rajitha

Frontend Deployment Lead – handled frontend deployment (Vercel).

B.Sailaja

Backend Deployment Lead – handled backend hosting (Render), and database management (Supabase).

Revolutionizing two-wheeler discovery and buying experiences through innovative technology solutions.