# Akshad Apastambh

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## Experience

**Freelancer – Full Stack Web Developer**                                    Jan. 2024
*Remote*

**Vehicle Selling Platform – Automotive Marketplace** ⬈

- Developed a **full-featured vehicle marketplace** where **buyers** (users) can browse and inquire about vehicles, and **sellers** (admins) can list, manage, and approve vehicles.
- Implemented a **real-time chat system** for buyers to directly message sellers for inquiries using `WebSocket` and `Socket.io`.
- Created an **advanced search and filtering system** for type, price, location, and mileage, improving buyer experience and search accuracy.
- Built a **mobile-friendly React.js frontend** with `Tailwind CSS`, featuring dynamic inventory cards and interactive maps.
- Added **website analytics integration** (traffic tracking, user activity monitoring, conversion tracking) to optimize sales performance.
- Implemented **performance optimizations** (lazy loading, image compression), reducing load times by 40%.
- Developed an **admin dashboard** for sellers to manage listings, verify buyers, and track inquiries.

## Projects

**Legal Case Management System** ⬈                                    Mar. 2025
*MERN Stack, Tailwind CSS, Nodemailer, Multer*

- Built a **role-based platform** for **Admins** (case oversight), **Lawyers** (case handling), and **Users** (Victim/Accused) with secure `JWT` authentication.
- Enabled **document and video uploads** with `Multer`, automatic hearing date assignment (1–30 days), and unique PNR tracking via `UUID`.
- Integrated `Nodemailer` for **automated email updates** on case status and hearing schedules.
- Added **lawyer recommendations** based on case type and expertise, plus an **interactive calendar** for hearing schedules.
- Designed a fully **responsive frontend** for seamless access on desktop and mobile.

**AI-Powered GitHub Test Case Generator** ⬈                                    Feb. 2025
*React.js, Node.js, GitHub API, AI Integration*

- Integrated the **GitHub API** to list repository files and allow developers to select multiple files for analysis.
- Used **AI models** to create **test case summaries** for frameworks like `JUnit` and `Selenium`.
- Built a **code generation module** to produce full, ready-to-use test files from summaries.
- Added an optional feature to **auto-create GitHub Pull Requests** with generated test files.
- Designed a **streamlined UI** for file selection, AI review, and test generation in one workflow.

## Education

**Bachelor of Computer Science**                                    Aug. 2022 – Jun. 2026
Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded

## Technical Skills

**Programming Languages:** Java, JavaScript, HTML, CSS, SQL, TypeScript
**Frontend:** React.js, Context API, Tailwind CSS, Material UI
**Backend:** Node.js, Express.js, MongoDB, Mongoose, REST API
**DevOps:** Git, GitHub, Firebase, Vercel
**Tools:** WebSocket, JWT, Multer, Socket.io, Postman
**Core Concepts:** Data Structures & Algorithms, OOP, SDLC

## Achievements

- Solved **350+ DSA problems** on coding platforms.
- Led a team of 4 to deliver a full-stack application under tight deadlines.

## Leadership & Activities

- Active **GitHub contributor** focused on MERN stack and scalable applications.
- Comfortable working both independently and in collaborative teams.