

# Vehicle Insights Web Application

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"Your Comprehensive Partner for Automotive Insights and Solutions!"

The Vehicle Insights Web App is a custom-built, PWA-enabled platform designed to enhance the vehicle ownership experience. Developed using PHP, CSS, and complex scripts, it integrates essential tools like a VIN Decoder, Vehicle Inspection Service, and Used Car Price Estimator to empower users with reliable data for buying, selling, and maintaining vehicles. Its Progressive Web App capabilities provide a seamless, native-like experience across handheld and portable devices, ensuring accessibility and convenience anytime, anywhere.

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## Objective:

To design and develop a hand-crafted, feature-rich web application that enhances the vehicle ownership experience by integrating essential tools and services for informed decision-making in buying, selling, and maintaining vehicles.

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## Problem:

- 1. Lack of Accurate Vehicle Data:**
    - a. Buyers and sellers often lack reliable insights into vehicle history, condition, and market value.
  - 2. Fragmented Processes:**
    - a. Accessing vehicle inspection, history, and pricing data involves disjointed tools and platforms.
  - 3. Accessibility Challenges:**
    - a. Limited options for users to access automotive tools seamlessly across devices.
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## Solution:

The **Vehicle Insights Web App**, a PWA-enabled, custom-built platform offering:

- 1. VIN Decoding** for comprehensive vehicle history.
  - 2. Vehicle Inspection Tools** for thorough assessments.
  - 3. Used Car Price Estimation** for real-time market insights.
  - 4. Native-like experience** on handheld and portable devices through **Progressive Web App** (PWA) technology.
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## Key Features:

- 1. Custom-Built Architecture:**
    - a. Hand-coded using **PHP**, **CSS**, and **complex scripts**, reflecting advanced web development expertise.
  - 2. VIN Decoder:**
    - a. Retrieves in-depth vehicle details such as manufacturer, manufacturing history, & model specifications.
  - 3. Vehicle Inspection Service:**
    - a. Offers detailed assessments of a vehicle's condition, enhancing transparency and trust through coordinating third-party on-ground vehicle inspections.
  - 4. Used Car Price Estimator:**
    - a. Provides dynamic pricing insights based on provided details to help users navigate the fluctuating used car market - requires pricing algorithm.
  - 5. PWA Enablement:**
    - a. Allows users to install and use the app natively on mobile and portable devices for seamless access.
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## Technologies Used:

- 1. PHP and CSS:**
    - a. Backend and frontend technologies to build a robust and scalable platform.
  - 2. Custom Scripting:**
    - a. Implements complex functionalities tailored to the automotive domain.
  - 3. PWA Framework:**
    - a. Enables offline functionality and native-like usage on handheld devices.
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## Challenges Addressed:

- 1. Transparency:**
    - a. Provides users with detailed and reliable vehicle information, building trust in transactions.
  - 2. Accessibility:**
    - a. The PWA framework ensures that tools are available anytime, anywhere, across devices.
  - 3. Efficiency:**
    - a. Integrates all critical automotive tools in a single, user-friendly application.
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## Impact:

### 1. Empowered Decision-Making:

- a. Users gain access to essential tools for buying, selling, and maintaining vehicles with confidence.

### 2. Seamless User Experience:

- a. The PWA design ensures a smooth and consistent experience across devices.

### 3. Technical Innovation:

- a. Showcases advanced development capabilities through hand-coded architecture and progressive web technology.

## Visual Cues:

### 1. VIN Decoder Interface:

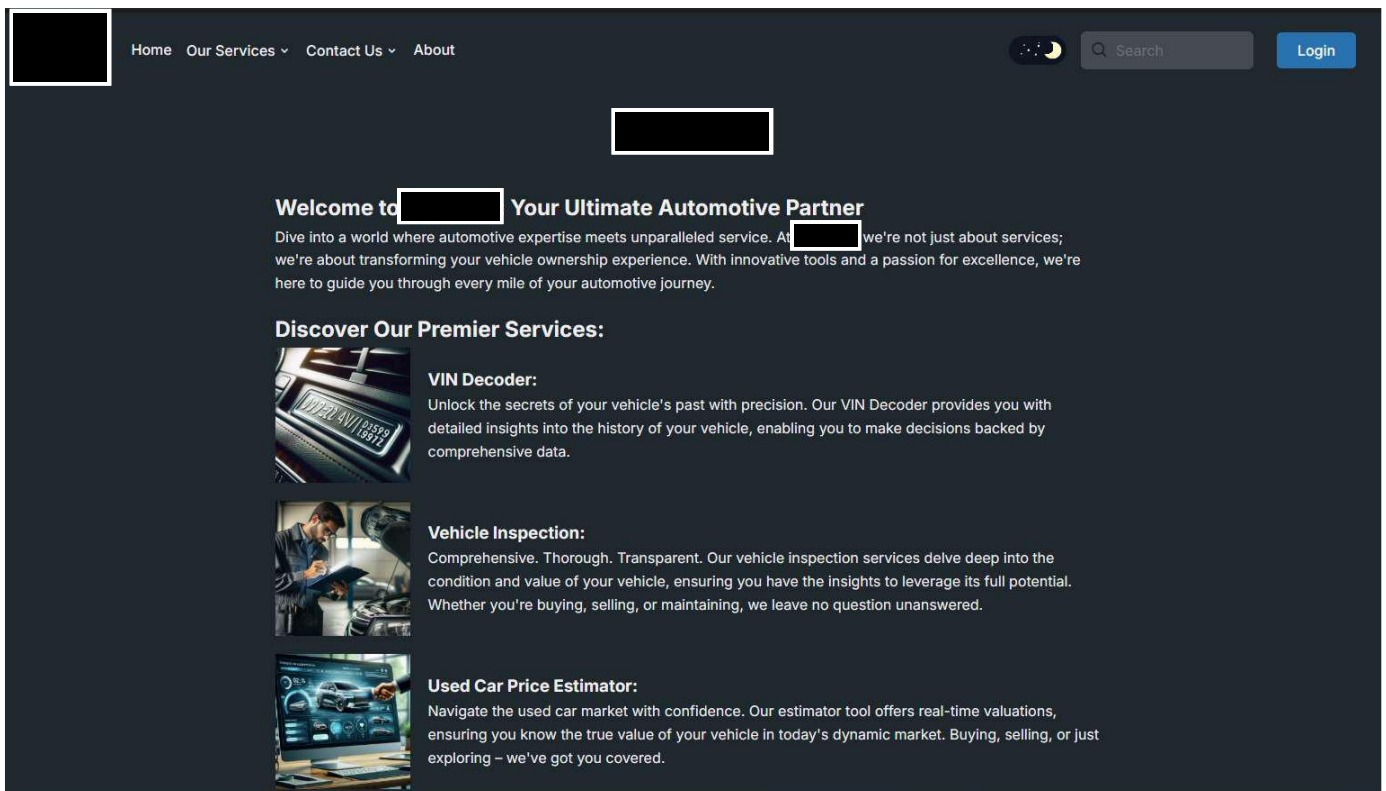
- a. Displays detailed vehicle specifications and history.

### 2. Inspection Dashboard:

- a. Highlights condition reports and actionable recommendations.


### 3. Price Estimator Module:

- a. Easy-to-use tool showing real-time vehicle pricing trends.



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Enter VIN:

Chassis Number	MAT466429HHA00268
Make	 <b>TATA MOTORS</b>
Model	LPK 3118
Year	2017
Month	JANUARY
Correct VIN Digits	17

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- Dashboard
- Add Lead
- Open Leads
- Assigned Leads
- Quality Check
- Rejected Leads
- Overall Leads
- Follow Up Leads
- Report Generated
- MIS

<b>Total Number of Leads</b>	7
<b>Total Open Leads</b>	1
<b>Total Assigned Leads</b>	1
<b>Total Re-Assigned Leads</b>	0
<b>Total Leads in QC</b>	1
<b>Total Leads in QC Hold</b>	2
<b>Total Rejected Leads</b>	2

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## Add New Lead

**Company Name:**

**Vehicle Reg. No. :**

**Customer Name:**

**Pin code:**

**District:**

**Executive Mobile:**

**Vehicle Category:**

**LAN:**

**Customer Mobile:**

**State:**

**Executive Name:**

**Email Report To:**

# Used Car Price

REFRESH

Select Category:

4W

Select Year:

2023

Select Make:

HYUNDAI

Select Model:

AURA

Select Variant:

E 1.2 PETROL

Select Ownership:

2

Enter KMs Driven:

75000

Submit

REFRESH

Company Name	Vehicle Category	Reg. No.	LAN	Status	Customer Name	Customer Mobile	State	Executive Name	Executive Mobile	Created By	Created at	Updated By	Updated at	Action
IDFC FIRST BANK LTD	3W	dl6cq1696	app11553	qc	dummy 25	9988998899	Delhi	Dummy	9988998899	Test	29 Feb 24 1:44 PM	Test (test)	19 Mar 24 12:08 PM	  
HDFC BANK LTD	4W	dl6cq1696	app11556	qc_hold	Zeta	9966996699	Delhi	Dummy	8585686888	Test	29 Feb 24 1:44 PM	Test (test)	19 Mar 24 12:09 PM	  
IDFC FIRST BANK LTD	3W	dl6cq1696	app115578	qc_hold	dummy 2	9988998899	Delhi	Dummy	9988998899	Test	29 Feb 24 1:44 PM	Test (test)	19 Mar 24 12:09 PM	  

Dashboard

Add Lead

Open Leads

Assigned Leads

Quality Check

Rejected Leads

Overall Leads

Follow Up Leads

Report Generated

MIS

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