

# **VISUALIZATION TOOL FOR ELECTRIC VEHICLE CHARGE AND RANGE ANALYSIS**

## **1.Introduction**

### **1.1 Overview**

A brief description about your project

A vehicle that can be powered by an electric motor that draws electricity from a battery and is capable of being charged from an external source and have an electric motor instead of an internal combustion engine.

The Electric Vehicle (EV) is not new, but it has been receiving significantly more attention in recent years. Advances in both EV analytics and battery technologies have led to increased automotive market share. However, this growth is not attributed to hardware alone. The modern mechatronic vehicle marries electrical storage and propulsion systems with electronic sensors, controls, and actuators, integrated closely with software, secure data transfer, and data analysis, to form a comprehensive transportation solution. Advances in all these areas have contributed to the overall rise of EV's, but the common thread that runs through all these elements is data analytics.

The new EV's are combined Electrical storage and propulsion systems with electronic sensors, controls, and actuators, integrated closely with software, secure data transfer to form a comprehensive transportation solution.

### **1.2 Purpose**

The use of this project. What can be achieved using this.

Social Impact: By solving or helping to solve the biggest issue in EV market. More people will understand and but the EV instead of ICE's.

Business Model/Impact: This project can provide the insights for the Car/Battery Manufacturers and it can also provide the insights for the people who are using the EV or Thinking to enter in EV Market

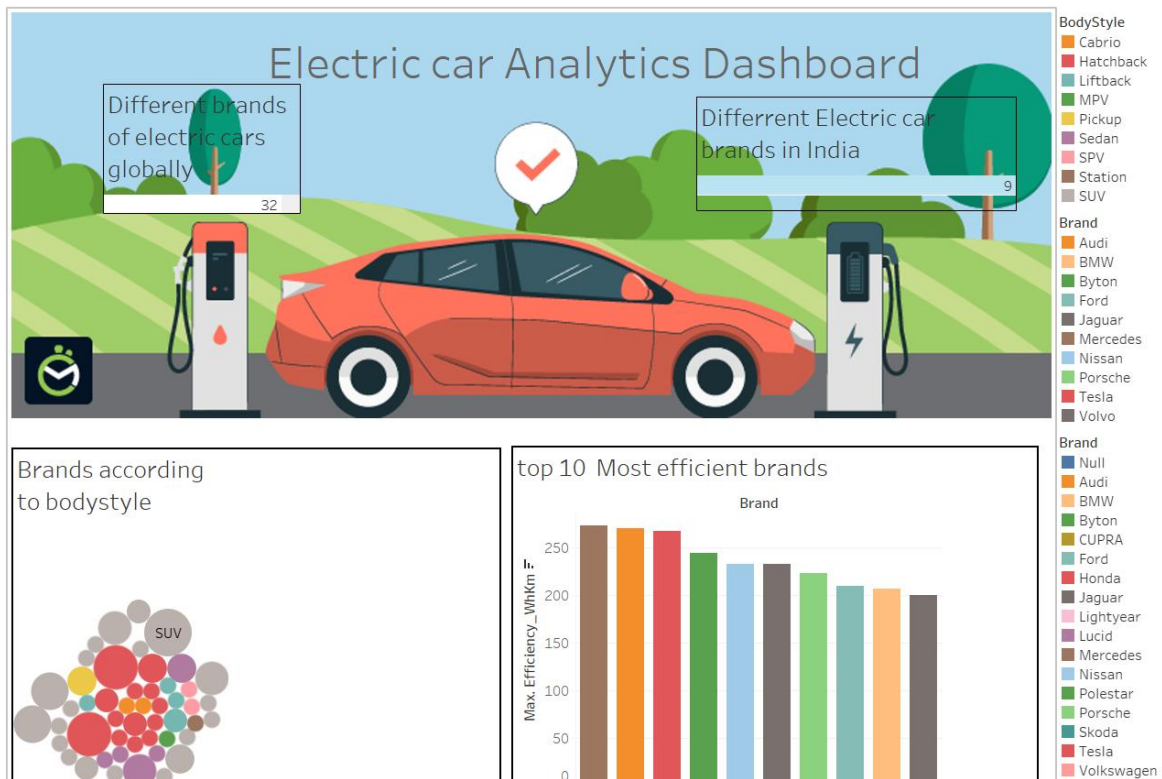
## **2 Problem Definition & Design Thinking**

The new EV's are combined Electrical storage and propulsion systems with electronic sensors, controls, and actuators, integrated closely with software, secure data transfer to form a comprehensive transportation solution.

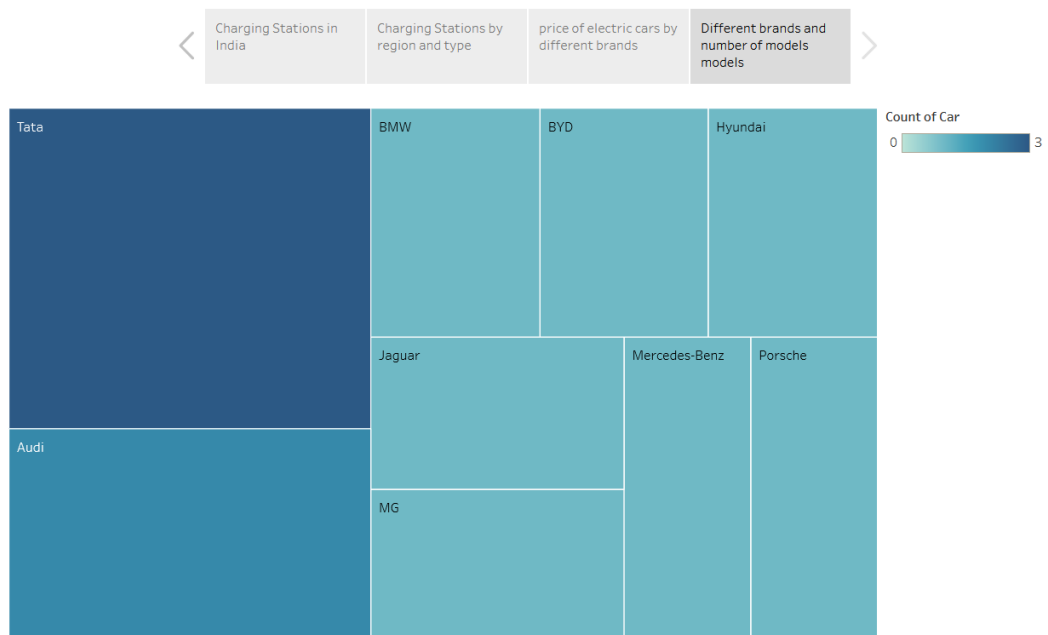


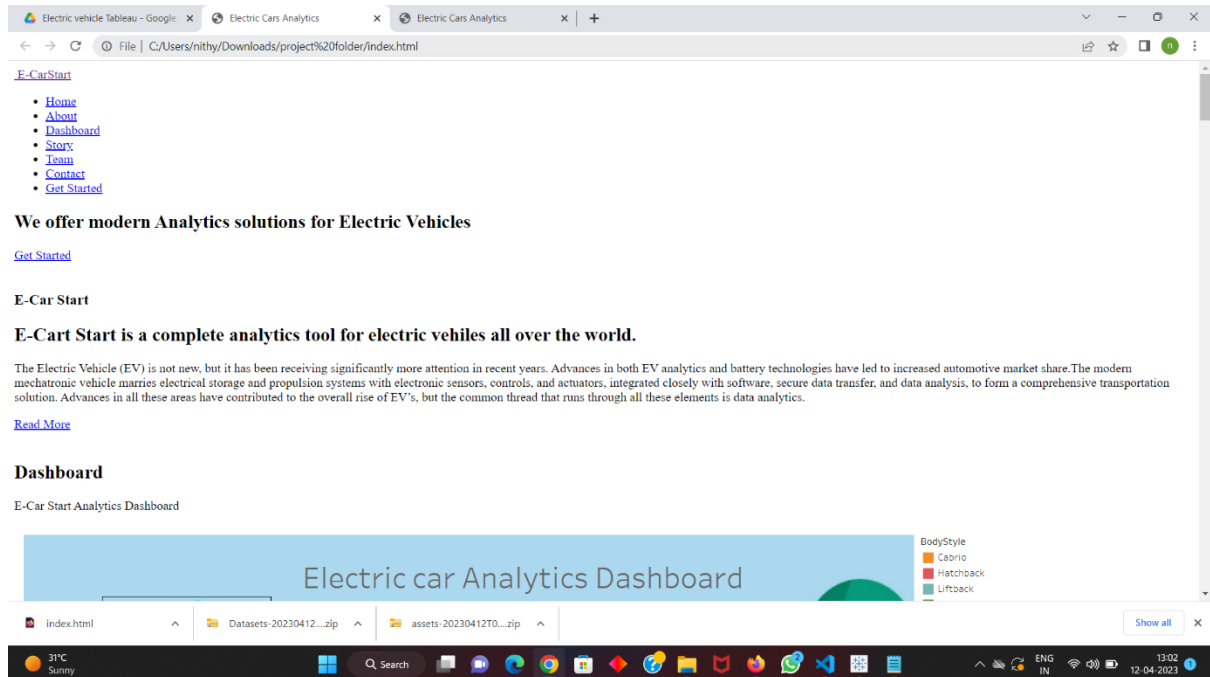
### 3 RESULT

Final findings (Output) of the project along with screenshots.



#### story of Electric cars in India





## 4 ADVANTAGES & DISADVANTAGES

List of advantages and disadvantages of the proposed solution

Advantages	Disadvantages
It Decreases air pollution.	Limited Battery Range.
No fuel required so you save money on gas.	More Expensive to Buy.
Lower maintenance due to an efficient electric motor.	Long Charging Times.
Better Performance	Electric car can travel less distance.
Digitally connected with charging stations	Unavailability of charging stations

## 5 APPLICATIONS

Electric vehicles use electricity to **charge their batteries** instead of using fossil fuels like petrol or diesel. Electric vehicles are more efficient, and that combined with the electricity cost means that charging an electric vehicle is cheaper than filling petrol or diesel for your travel requirements.

Using data visualization we can get to know about different electric vehicle brands in India along with their speed, price, efficiency, etc.

It helps us to find the reliable, best suited electric vehicle for our requirements.

## 6 CONCLUSION

Conclusion summarizing the entire work and findings.

We use the electric vehicle datasets for the project;

- Cheapest electric vehicle
- EV charging station
- EV clean
- EV india

We have created Brainstorm & Idea Prioritization Template and empathy map on electric vehicle charge and range analysis.

We have collected the data from dataset and linked it to tableau via sql.

Data visualization: We have created the charts as given and created dashboard and stories

## 7 FUTURE SCOPE

Enhancements that can be made in the future.

The Indian electric vehicle market was worth USD 1,434.04 million in  
predicted to grow to USD 15,397.19 million by 2027  
a CAGR of 47.09% during the forecast period (2022-2027).

India's population grows and demand for automobiles increases, also reliance on  
Conventional energy supplies is no longer available .

## 8 APPENDIX

### A. Source Code

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>Electric Cars Analytics</title>
  <meta content="" name="description">

  <meta content="" name="keywords">

  <!-- Favicons -->
  <link href="assets/img/favicon.png" rel="icon">
  <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">

  <!-- Google Fonts -->
  <link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,
600i,700,700i|Nunito:300,300i,400,400i,600,600i,700,700i|Poppins:300,300i,400,
400i,500,500i,600,600i,700,700i" rel="stylesheet">

  <!-- Vendor CSS Files -->
  <link href="assets/vendor/aos/aos.css" rel="stylesheet">
  <link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
  <link href="assets/vendor/bootstrap-icons/bootstrap-icons.css"
rel="stylesheet">
  <link href="assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
  <link href="assets/vendor/remixicon/remixicon.css" rel="stylesheet">
  <link href="assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">
```

```

<!-- Template Main CSS File -->
<link href="assets/css/style.css" rel="stylesheet">

<!-- =====>
* Template Name: FlexStart - v1.12.0
* Template URL: https://bootstrapmade.com/flexstart-bootstrap-startup-
template/
* Author: BootstrapMade.com
* License: https://bootstrapmade.com/license/
===== -->
</head>

<body>

<!-- ===== Header ===== -->
<header id="header" class="header fixed-top">
  <div class="container-fluid container-xl d-flex align-items-center
justify-content-between">

    <a href="index.html" class="logo d-flex align-items-center">
      
      <span>E-CarStart</span>
    </a>

    <nav id="navbar" class="navbar">
      <ul>
        <li><a class="nav-link scrollto active" href="#hero">Home</a></li>
        <li><a class="nav-link scrollto" href="#about">About</a></li>
        <li><a class="nav-link scrollto" href="#values">Dashboard</a></li>
        <li><a class="nav-link scrollto" href="#services">Story</a></li>
        <li><a class="nav-link scrollto" href="#team">Team</a></li>
        <li><a class="nav-link scrollto" href="#contact">Contact</a></li>
        <li><a class="getstarted scrollto" href="#about">Get
Started</a></li>
      </ul>
      <i class="bi bi-list mobile-nav-toggle"></i>
    </nav><!-- .navbar -->

  </div>
</header><!-- End Header -->

<!-- ===== Hero Section ===== -->
<section id="hero" class="hero d-flex align-items-center">

  <div class="container">
    <div class="row">
      <div class="col-lg-6 d-flex flex-column justify-content-center">

```

```

        <h1 data-aos="fade-up">We offer modern Analytics solutions for
Electric Vehicles</h1>

        <div data-aos="fade-up" data-aos-delay="600">
            <div class="text-center text-lg-start">
                <a href="#about" class="btn-get-started scrollto d-inline-flex
align-items-center justify-content-center align-self-center">
                    <span>Get Started</span>
                    <i class="bi bi-arrow-right"></i>
                </a>
            </div>
        </div>
        <div class="col-lg-6 hero-img" data-aos="zoom-out" data-aos-
delay="200">
            
        </div>
    </div>
</div>

</section><!-- End Hero -->

<main id="main">
    <!-- ===== About Section ===== -->
    <section id="about" class="about">

        <div class="container" data-aos="fade-up">
            <div class="row gx-0">

                <div class="col-lg-6 d-flex flex-column justify-content-center"
data-aos="fade-up" data-aos-delay="200">
                    <div class="content">
                        <h3>E-Car Start</h3>
                        <h2>E-Cart Start is a complete analytics tool for electric
vehiles all over the world.</h2>
                        <p>
                            The Electric Vehicle (EV) is not new, but it has been
receiving significantly more attention in recent years. Advances in both EV
analytics and battery technologies have led to increased automotive market
share.The modern mechatronic vehicle marries electrical storage and propulsion
systems with electronic sensors, controls, and actuators, integrated closely
with software, secure data transfer, and data analysis, to form a
comprehensive transportation solution. Advances in all these areas have
contributed to the overall rise of EV's, but the common thread that runs
through all these elements is data analytics.
                        </p>
                    </div>
                </div>
            </div>
        </div>
    </section>

```

```

        <a href="#" class="btn-read-more d-inline-flex align-items-
center justify-content-center align-self-center">
            <span>Read More</span>
            <i class="bi bi-arrow-right"></i>
        </a>
    </div>
</div>
</div>
</div>

    <div class="col-lg-6 d-flex align-items-center" data-aos="zoom-out"
data-aos-delay="200">
        
    </div>

</div>
</div>

</section><!-- End About Section -->

<!-- ===== Values Section ===== -->
<section id="values" class="values">

    <div class="container" data-aos="fade-up">

        <header class="section-header">
            <h2>Dashboard</h2>
            <p>E-Car Start Analytics Dashboard</p>
        </header>

        <div class="row">
            <div class='tableauPlaceholder' id='viz1681307638027'
style='position: relative'><noscript><a href='#'><img alt='Dashboard 1 '
src='https://public.tableau.com/static/images/Bo/Book1_16811185687720/Dashboard1/1_rss.png' style='border: none'
/></a></noscript><object class='tableauViz' style='display:none;'><param
name='host_url' value='https%3A%2F%2Fpublic.tableau.com%2F' /> <param
name='embed_code_version' value='3' /> <param name='site_root' value=''
/><param name='name' value='Book1_16811185687720&#47;Dashboard1' /><param
name='tabs' value='no' /><param name='toolbar' value='yes' /><param
name='static_image'
value='https://public.tableau.com/static/images/Bo/Book1_16811185687720&#47;Dashboard1/1.png' /> <param
name='animate_transition' value='yes' /><param name='display_static_image'
value='yes' /><param name='display_spinner' value='yes' /><param
name='display_overlay' value='yes' /><param name='display_count' value='yes'
/><param name='language' value='en-US' /><param name='filter'
value='publish=yes' /></object></div>
                                <script
type='text/javascript'>
                                    var divElement =

```





```

        <div class="feature-box d-flex align-items-center">
            <i class="bi bi-check"></i>
            <h3>Know about Charging Stations</h3>
        </div>
    </div>

    <div class="col-md-6" data-aos="zoom-out" data-aos-delay="500">
        <div class="feature-box d-flex align-items-center">
            <i class="bi bi-check"></i>
            <h3>Top performing Brands</h3>
        </div>
    </div>

    <div class="col-md-6" data-aos="zoom-out" data-aos-delay="600">
        <div class="feature-box d-flex align-items-center">
            <i class="bi bi-check"></i>
            <h3>different brands in India</h3>
        </div>
    </div>

    <div class="col-md-6" data-aos="zoom-out" data-aos-delay="700">
        <div class="feature-box d-flex align-items-center">
            <i class="bi bi-check"></i>
            <h3>different brands Globally</h3>
        </div>
    </div>

</div>
</div>

</div> <!-- / row -->

<!-- Feature Tabs -->
<div class="row feture-tabs" data-aos="fade-up">
    <div class="col-lg-6">
        <h3>Overview of Electric Vehicle Sector</h3>

        <!-- Tabs -->
        <ul class="nav nav-pills mb-3">
            <li>
                <a class="nav-link active" data-bs-toggle="pill"
href="#tab1">Overview</a>
            </li>
            <li>
                <a class="nav-link active" data-bs-toggle="pill"
href="#tab2">Pricing</a>
            </li>
        </ul><!-- End Tabs -->
    </div>

```

```

<!-- Tab Content -->
<div class="tab-content">

    <div class="tab-pane fade show active" id="tab1">
        <p>The supply of fossil fuels is constantly decreasing. The
situation is very alarming. It is time for the world to slowly adapt to
electric vehicles. </p>
        <div class="d-flex align-items-center mb-2">
            <i class="bi bi-check2"></i>
            <h4>A lot of change needs to happen</h4>
        </div>
        <p>Major carmakers like Tesla and Porsche manufacture many
electric vehicles. </p>
        <div class="d-flex align-items-center mb-2">
            <i class="bi bi-check2"></i>
            <h4> The improvement of battery technology in recent years
has led to the higher popularity of electric vehicles.</h4>
        </div>
        <p>Buying an electric vehicle can be a great choice for
consumers. The drive quality, low noise levels, and convenience are really
great.</p>
    </div><!-- End Tab 1 Content -->

    <div class="tab-pane fade show" id="tab2">
        <p> In the United States, one year of driving a petrol car can
cost from 1500 USD to 2500 USD.</p>
        <div class="d-flex align-items-center mb-2">
            <i class="bi bi-check2"></i>
            <h4>On the other hand, the driving cost of Electric Vehicles
is 500 USD. Electric cars are more preferable.</h4>
        </div>
        <p>The maintenance cost of electric vehicles is also very low.
They are economical to maintain.</p>
        <div class="d-flex align-items-center mb-2">
            <i class="bi bi-check2"></i>
            <h4>The energy conversion efficiency of electric vehicles is
also high.</h4>
        </div>
        <p>Electric vehicles use 60-70% of electrical energy. On the
other hand, vehicles based on internal combustion engines have an efficiency
of 18-22% only.The energy cost of manufacturing an electric vehicle is also
very high, but considering everything and the fact that charging electric
vehicles is very cheap, EVs are a great option. Manufacturing batteries is an
important task in the production of Electric vehicles.</p>
    </div><!-- End Tab 2 Content -->

</div>

```

```

        </div>

        <div class="col-lg-6">
            
        </div>

    </div><!-- End Feature Tabs -->

</div>

</section><!-- End Features Section -->

<!-- ===== Services Section ===== -->
<section id="services" class="services">

    <div class="container" data-aos="fade-up">

        <header class="section-header">
            <h2>Story</h2>
            <p>Electric vehicles Analytics Story</p>
        </header>

        <div class="row gy-4">

            <div class='tableauPlaceholder' id='viz1681307919839'
style='position: relative'><noscript><a href='#'><img alt='story of Electric
cars in India '
src='https://public.tableau.com/static/images/Bo/Book1_16811185687720&#47;storyofElectriccarsinIndia&#47;1_rss.png' style='border:
none' /></a></noscript><object
class='tableauViz' style='display:none;'><param name='host_url'
value='https%3A%2F%2Fpublic.tableau.com%2F' /> <param
name='embed_code_version' value='3' /> <param name='site_root' value=''
/><param name='name'
value='Book1_16811185687720&#47;storyofElectriccarsinIndia' /><param
name='tabs' value='no' /><param name='toolbar' value='yes' /><param
name='static_image'
value='https://public.tableau.com/static/images/Bo/Book1_16811185687720&#47;storyofElectriccarsinIndia&#47;1.png' /> <param
name='animate_transition' value='yes' /><param name='display_static_image'
value='yes' /><param name='display_spinner' value='yes' /><param
name='display_overlay' value='yes' /><param name='display_count' value='yes'
/><param name='language' value='en-US' /><param name='filter'
value='publish=yes' /></object></div>
            <script

```

```

type='text/javascript'>                                var divElement =
document.getElementById('viz1681307919839');                var vizElement
=
divElement.getElementsByTagName('object')[0];                vizElement.st
yle.width='1016px';vizElement.style.height='991px';                var
scriptElement =
document.createElement('script');                scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';                viz
Element.parentNode.insertBefore(scriptElement,
vizElement);                </script>
</div>

</div>

</section><!-- End Services Section -->

<!-- ===== Testimonials Section ===== -->
<section id="testimonials" class="testimonials">

    <div class="container" data-aos="fade-up">

        <header class="section-header">
            <h2>Testimonials</h2>
            <p>What they are saying about us</p>
        </header>

        <div class="testimonials-slider swiper" data-aos="fade-up" data-aos-
delay="200">
            <div class="swiper-wrapper">

                <div class="swiper-slide">
                    <div class="testimonial-item">
                        <div class="stars">
                            <i class="bi bi-star-fill"></i><i class="bi bi-star-
fill"></i><i class="bi bi-star-fill"></i><i class="bi bi-star-fill"></i><i
class="bi bi-star-fill"></i>
                        </div>
                        <p>
                            Proin iaculis purus consequat sem cure digni ssim donec
porttitora entum suscipit rhoncus. Accusantium quam, ultricies eget id,
aliquam eget nibh et. Maecen aliquam, risus at semper.
                        </p>
                        <div class="profile mt-auto">
                            
                            <h3>Saul Goodman</h3>
                            <h4>CEO & Founder</h4>
                        </div>

```

```

        </div>
    </div><!-- End testimonial item -->

    <div class="swiper-slide">
        <div class="testimonial-item">
            <div class="stars">
                <i class="bi bi-star-fill"></i><i class="bi bi-star-
fill"></i><i class="bi bi-star-fill"></i><i class="bi bi-star-fill"></i><i
class="bi bi-star-fill"></i>
            </div>
            <p>
                Export tempor illum tamen malis malis eram quae irure esse
labore quem cillum quid cillum eram malis quorum velit fore eram velit sunt
aliqua noster fugiat irure amet legam anim culpa.
            </p>
            <div class="profile mt-auto">
                
                <h3>Sara Wilsson</h3>
                <h4>Designer</h4>
            </div>
        </div>
    </div><!-- End testimonial item -->

    <div class="swiper-slide">
        <div class="testimonial-item">
            <div class="stars">
                <i class="bi bi-star-fill"></i><i class="bi bi-star-
fill"></i><i class="bi bi-star-fill"></i><i class="bi bi-star-fill"></i><i
class="bi bi-star-fill"></i>
            </div>
            <p>
                Enim nisi quem export duis labore cillum quae magna enim
sint quorum nulla quem veniam duis minim tempor labore quem eram duis noster
aute amet eram fore quis sint minim.
            </p>
            <div class="profile mt-auto">
                
                <h3>Jena Karlis</h3>
                <h4>Store Owner</h4>
            </div>
        </div>
    </div><!-- End testimonial item -->

    <div class="swiper-slide">
        <div class="testimonial-item">
            <div class="stars">

```

```

        <i class="bi bi-star-fill"></i><i class="bi bi-star-
fill"></i><i class="bi bi-star-fill"></i><i class="bi bi-star-fill"></i><i
class="bi bi-star-fill"></i>
        </div>
        <p>
            Fugiat enim eram quae cillum dolore dolor amet nulla culpa
multos export minim fugiat minim velit minim dolor enim duis veniam ipsum anim
magna sunt elit fore quem dolore labore illum veniam.
        </p>
        <div class="profile mt-auto">
            
            <h3>Matt Brandon</h3>
            <h4>Freelancer</h4>
        </div>
    </div><!-- End testimonial item -->

    <div class="swiper-slide">
        <div class="testimonial-item">
            <div class="stars">
                <i class="bi bi-star-fill"></i><i class="bi bi-star-
fill"></i><i class="bi bi-star-fill"></i><i class="bi bi-star-fill"></i><i
class="bi bi-star-fill"></i>
            </div>
            <p>
                Quis quorum aliqua sint quem legam fore sunt eram irure
aliqua veniam tempor noster veniam enim culpa labore duis sunt culpa nulla
illum cillum fugiat legam esse veniam culpa fore nisi cillum quid.
            </p>
            <div class="profile mt-auto">
                
                <h3>John Larson</h3>
                <h4>Entrepreneur</h4>
            </div>
        </div>
    </div><!-- End testimonial item -->

    </div>
    <div class="swiper-pagination"></div>
</div>

</section><!-- End Testimonials Section -->

<!-- ===== Team Section ===== -->

```

```

<section id="team" class="team">

  <div class="container" data-aos="fade-up">

    <header class="section-header">
      <h2>Team</h2>
      <p>Our hard working team</p>
    </header>

    <div class="row gy-4">

      <div class="col-lg-3 col-md-6 d-flex align-items-stretch" data-
aos="fade-up" data-aos-delay="100">
        <div class="member">
          <div class="member-img">
            

            <div class="social">
              <a href=""><i class="bi bi-twitter"></i></a>
              <a href=""><i class="bi bi-facebook"></i></a>
              <a href=""><i class="bi bi-instagram"></i></a>
              <a href=""><i class="bi bi-linkedin"></i></a>
            </div>
          </div>
          <div class="member-info">
            <h4>Walter White</h4>
            <span>Chief Executive Officer</span>
            <p>Velit aut quia fugit et et. Dolorum ea voluptate vel
tempore tenetur ipsa quae aut. Ipsum exercitationem iure minima enim corporis
et voluptate.</p>
          </div>
        </div>
      </div>

      <div class="col-lg-3 col-md-6 d-flex align-items-stretch" data-
aos="fade-up" data-aos-delay="200">
        <div class="member">
          <div class="member-img">
            

            <div class="social">
              <a href=""><i class="bi bi-twitter"></i></a>
              <a href=""><i class="bi bi-facebook"></i></a>
              <a href=""><i class="bi bi-instagram"></i></a>
              <a href=""><i class="bi bi-linkedin"></i></a>
            </div>
          </div>
          <div class="member-info">

```



```

        <h4>Sarah Jhonson</h4>
        <span>Product Manager</span>
        <p>Quo esse repellendus quia id. Est eum et accusantium
pariatur fugit nihil minima suscipit corporis. Voluptate sed quas reiciendis
animi neque sapiente.</p>
    </div>
</div>
</div>

    <div class="col-lg-3 col-md-6 d-flex align-items-stretch" data-
aos="fade-up" data-aos-delay="300">
    <div class="member">
        <div class="member-img">
            

            <div class="social">
                <a href=""><i class="bi bi-twitter"></i></a>
                <a href=""><i class="bi bi-facebook"></i></a>
                <a href=""><i class="bi bi-instagram"></i></a>
                <a href=""><i class="bi bi-linkedin"></i></a>
            </div>
        </div>
        <div class="member-info">
            <h4>William Anderson</h4>
            <span>CTO</span>
            <p>Vero omnis enim consequatur. Voluptas consectetur unde qui
molestiae deserunt. Voluptates enim aut architecto porro aspernatur molestiae
modi.</p>
        </div>
    </div>
</div>

    <div class="col-lg-3 col-md-6 d-flex align-items-stretch" data-
aos="fade-up" data-aos-delay="400">
    <div class="member">
        <div class="member-img">
            

            <div class="social">
                <a href=""><i class="bi bi-twitter"></i></a>
                <a href=""><i class="bi bi-facebook"></i></a>
                <a href=""><i class="bi bi-instagram"></i></a>
                <a href=""><i class="bi bi-linkedin"></i></a>
            </div>
        </div>
        <div class="member-info">
            <h4>Amanda Jepson</h4>
            <span>Accountant</span>

```

```

        <p>Rerum voluptate non adipisci animi distinctio et deserunt
amet voluptas. Quia aut aliquid doloremque ut possimus ipsum officia.</p>
    </div>
</div>
</div>

</div>

</section><!-- End Team Section -->

<!-- ===== Contact Section ===== -->
<section id="contact" class="contact">

    <div class="container" data-aos="fade-up">

        <header class="section-header">
            <h2>Contact</h2>
            <p>Contact Us</p>
        </header>

        <div class="row gy-4">

            <div class="col-lg-6">

                <div class="row gy-4">
                    <div class="col-md-6">
                        <div class="info-box">
                            <i class="bi bi-geo-alt"></i>
                            <h3>Address</h3>
                            <p>The Smartbridge<br>Hyderabad, Telangana</p>
                        </div>
                    </div>
                    <div class="col-md-6">
                        <div class="info-box">
                            <i class="bi bi-telephone"></i>
                            <h3>Call Us</h3>
                            <p>+1 5589 55488 55<br>+1 6678 254445 41</p>
                        </div>
                    </div>
                    <div class="col-md-6">
                        <div class="info-box">
                            <i class="bi bi-envelope"></i>
                            <h3>Email Us</h3>
                            <p>info@example.com<br>contact@example.com</p>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

        <div class="col-md-6">
            <div class="info-box">
                <i class="bi bi-clock"></i>
                <h3>Open Hours</h3>
                <p>Monday - Friday<br>9:00AM - 07:00PM</p>
            </div>
        </div>
    </div>

    <div class="col-lg-6">
        <div class="mapouter">
            <div class="gmap_canvas">
                <iframe
src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3806.4996128125663!
2d78.357789414877!3d17.435785388049602!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1
!3m3!1m2!1s0x3bcb93ccf4ea7cc1%3A0xebff7843c5e1e33f!2sStacknexus%20Technologies
%20Pvt%20Ltd!5e0!3m2!1sen!2sin!4v1671649820075!5m2!1sen!2sin" width="600"
height="450" style="border:0;" allowfullscreen="" loading="lazy"
referrerpolicy="no-referrer-when-downgrade"></iframe>
            </div>
            <style>.mapouter{position:relative;text-
align:right;width:600px;height:400px;}.gmap_canvas
{overflow:hidden;background:none!important;width:600px;height:400px;}.gmap_ifr
ame {width:600px!important;height:400px!important;}</style>
        </div>
    </div>

</div>

</div>

</section><!-- End Contact Section -->

</main><!-- End #main -->

<!-- ===== Footer ===== -->
<footer id="footer" class="footer">

    <div class="footer-top">
        <div class="container">
            <div class="row gy-4">
                <div class="col-lg-5 col-md-12 footer-info">
                    <a href="index.html" class="logo d-flex align-items-center">
                        

```

```

        <span>E-CarStart</span>
    </a>
    <p>We offer modern Analytics solutions for Electric Vehicles.</p>
    <div class="social-links mt-3">
        <a href="#" class="twitter"><i class="bi bi-twitter"></i></a>
        <a href="#" class="facebook"><i class="bi bi-facebook"></i></a>
        <a href="#" class="instagram"><i class="bi bi-
instagram"></i></a>
        <a href="#" class="linkedin"><i class="bi bi-linkedin"></i></a>
    </div>
</div>

<div class="col-lg-2 col-6 footer-links">
    <h4>Useful Links</h4>
    <ul>
        <li><i class="bi bi-chevron-right"></i> <a
href="#">Home</a></li>
        <li><i class="bi bi-chevron-right"></i> <a href="#">About
us</a></li>
        <li><i class="bi bi-chevron-right"></i> <a
href="#">Services</a></li>
        <li><i class="bi bi-chevron-right"></i> <a
href="#">Dashboard</a></li>
        <li><i class="bi bi-chevron-right"></i> <a
href="#">Story</a></li>
    </ul>
</div>

<div class="col-lg-2 col-6 footer-links">
    <h4>Our Services</h4>
    <ul>
        <li><i class="bi bi-chevron-right"></i> <a
href="https://www.thesmartbridge.com/">Web Design</a></li>
        <li><i class="bi bi-chevron-right"></i> <a
href="https://www.thesmartbridge.com/">Web Development</a></li>
        <li><i class="bi bi-chevron-right"></i> <a
href="https://www.thesmartbridge.com/">Product Management</a></li>
        <li><i class="bi bi-chevron-right"></i> <a
href="https://www.thesmartbridge.com/">Marketing</a></li>
        <li><i class="bi bi-chevron-right"></i> <a
href="https://www.thesmartbridge.com/">Graphic Design</a></li>
    </ul>
</div>

<div class="col-lg-3 col-md-12 footer-contact text-center text-md-
start">
    <h4>Contact Us</h4>
    <p>

```

```

        The Smartbridge <br>
        Hyderabad<br>
        Telangana<br><br>
        <strong>Phone:</strong> +1 5589 55488 55<br>
        <strong>Email:</strong> info@example.com<br>
    </p>

</div>

</div>
</div>
</div>

<div class="container">
    <div class="copyright">
        &copy; Copyright <strong><span>Smartbridge</span></strong>. All Rights
Reserved
    </div>
</div>
</footer><!-- End Footer -->

    <a href="#" class="back-to-top d-flex align-items-center justify-content-
center"><i class="bi bi-arrow-up-short"></i></a>

<!-- Vendor JS Files -->
<script src="assets/vendor/purecounter/purecounter_vanilla.js"></script>
<script src="assets/vendor/aos/aos.js"></script>
<script src="assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="assets/vendor/glightbox/js/glightbox.min.js"></script>
<script src="assets/vendor/isotope-layout/isotope.pkgd.min.js"></script>
<script src="assets/vendor/swiper/swiper-bundle.min.js"></script>
<script src="assets/vendor/php-email-form/validate.js"></script>

<!-- Template Main JS File -->
<script src="assets/js/main.js"></script>
</body>
</html>

```

Attach the code for the solution built.

<file:///C:/Users/nithy/Downloads/project%20folder/index.html#hero>