# HTML:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Climate Change Story</title>
  <link rel="stylesheet" href="styles.css">
  <script src="https://cdn.jsdelivr.net/npm/chart.js"></script>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/PapaParse/5.3.0/papaparse.min.js"></script>
</head>
<body>
  <header>
    <h1>Climate Change Story</h1>
    <p>Over the last several decades, climate data has been collected from numerous sources. Here, we tell the story of how greenhouse gases have impacted our world.</p>
  </header>


  <section id="data-visualization">
    <h2>Greenhouse Gas Emissions Over Time</h2>
    <canvas id="emissionsChart"></canvas>
  </section>


  <section id="impact">
    <h2>Impact of Greenhouse Gases</h2>
    <p>As the levels of CO2, methane, and other greenhouse gases increase, the Earth's climate is changing in significant ways. These gases trap heat in the atmosphere, leading to global warming, extreme weather events, and rising sea levels.</p>
  </section>


  <footer>
    <p>&copy; 2024 Climate Change Story | Powered by Open Data</p>
```

```
    </footer>


    <script src="script.js"></script>
</body>
</html>
```

## Css:

```css
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-color: #f4f4f4;
}


header {
    background-color: #28a745;
    color: white;
    padding: 20px;
    text-align: center;
}


section {
    padding: 20px;
    margin: 10px;
    background-color: white;
}


h2 {
    color: #28a745;
}
```

```css
canvas {
    max-width: 100%;
}


footer {
    text-align: center;
    padding: 10px;
    background-color: #28a745;
    color: white;
    position: relative;
    width: 100%;
}
```

```javascript
document.addEventListener('DOMContentLoaded', () => {
    // Function to fetch and process data
    fetch('C:\Users\Varma\Desktop\NASA\dataset.csv')  // Replace with the actual path of your CSV file
        .then(response => response.text())
        .then(csv => {
            Papa.parse(csv, {
                header: true,
                complete: (results) => {
                    const labels = [];
                    const co2Data = [];
                    const methaneData = [];
                    const nitrousOxideData = [];
                    const temperatureAnomalyData = [];
```

```javascript
        results.data.forEach(row => {

        labels.push(row.Year);  // Adjust 'Year' to your actual column name

        co2Data.push(row.CO2_Emissions);  // Adjust 'CO2_Emissions' to your actual column
name

        methaneData.push(row.Methane_Emissions);  // Adjust 'Methane_Emissions'

        nitrousOxideData.push(row.Nitrous_Oxide_Emissions);  // Adjust
'Nitrous_Oxide_Emissions'

        temperatureAnomalyData.push(row.Global_Temperature_Anomaly);  // Adjust
'Global_Temperature_Anomaly'

        });


        // Create the chart with multiple datasets
        const ctx = document.getElementById('emissionsChart').getContext('2d');
        new Chart(ctx, {
          type: 'line',
          data: {
            labels: labels,
            datasets: [
              {
                label: 'CO2 Emissions (Million Metric Tons)',

                data: co2Data,

                borderColor: 'rgba(75, 192, 192, 1)',

                borderWidth: 2,

                fill: false
              },
              {
                label: 'Methane Emissions (Million Metric Tons)',

                data: methaneData,

                borderColor: 'rgba(255, 159, 64, 1)',

                borderWidth: 2,

                fill: false
              },
```

```
        {
            label: 'Nitrous Oxide Emissions (Million Metric Tons)',

            data: nitrousOxideData,

            borderColor: 'rgba(153, 102, 255, 1)',

            borderWidth: 2,

            fill: false

        },

        {

            label: 'Global Temperature Anomaly (°C)',

            data: temperatureAnomalyData,

            borderColor: 'rgba(255, 99, 132, 1)',

            borderWidth: 2,

            fill: false,

            yAxisID: 'y2'

        }

    ]

},

options: {

    responsive: true,

    scales: {

        y: {

            beginAtZero: false,

            title: {

                display: true,

                text: 'Emissions (Million Metric Tons)'

            }

        },

        y2: {

            position: 'right',

            title: {

                display: true,
```

```
                    text: 'Temperature Anomaly (°C)'
                },
                grid: {
                    drawOnChartArea: false,
                }
            }
        }
    });
}
});
})
.catch(error => console.error('Error loading the dataset:', error));
});
```