<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <title>Social Media Trend Analysis</title>

  <script src="<https://cdn.jsdelivr.net/npm/chart.js>"></script>

  <style>

    body {

      font-family: Arial, sans-serif;

      background: #f4f6f9;

      padding: 20px;

    }

    h1 {

      text-align: center;

      margin-bottom: 20px;

    }

    .chart-container {

      width: 80%;

      margin: 20px auto;

      background: white;

      padding: 20px;

      border-radius: 12px;

      box-shadow: 0 4px 8px rgba(0,0,0,0.1);

    }

  </style>

</head>

<body>

  <h1> Social Media Trend Dashboard</h1>

  <!-- Hashtag Chart -->

  <div class="chart-container">

    <h2> Trending Hashtags</h2>

    <canvas id="hashtagChart"></canvas>

  </div>

  <!-- Sentiment Analysis -->

  <div class="chart-container">

    <h2> Sentiment Analysis</h2>

    <canvas id="sentimentChart"></canvas>

  </div>

  <!-- Engagement Over Time -->

  <div class="chart-container">

    <h2> Engagement Over Time</h2>

    <canvas id="engagementChart"></canvas>

  </div>

  <script>

    // Example: trending hashtags (this would come from backend in real case)

    const hashtags = ["#AI", "#Tech", "#ChatGPT", "#DataScience", "#Innovation"];

    const hashtagCounts = [150, 120, 180, 90, 60];

    // Example: sentiment counts

    const sentiments = ["Positive", "Neutral", "Negative"];

    const sentimentCounts = [65, 25, 10];

    // Example: engagement over time

    const dates = ["Day 1", "Day 2", "Day 3", "Day 4", "Day 5"];

    const likes = [120, 200, 150, 300, 250];

    const shares = [40, 70, 50, 90, 100];

    // Hashtag Bar Chart

    new Chart(document.getElementById("hashtagChart"), {

      type: "bar",

      data: {

        labels: hashtags,

        datasets: [{

          label: "Mentions",

          data: hashtagCounts,

          backgroundColor: "rgba(54, 162, 235, 0.7)"

        }]

      },

      options: { responsive: true }

    });

    // Sentiment Pie Chart

    new Chart(document.getElementById("sentimentChart"), {

      type: "pie",

      data: {

        labels: sentiments,

        datasets: [{

          data: sentimentCounts,

          backgroundColor: ["#4caf50", "#ffeb3b", "#f44336"]

        }]

      }

    });

    // Engagement Line Chart

    new Chart(document.getElementById("engagementChart"), {

      type: "line",

      data: {

        labels: dates,

        datasets: [

          {

            label: "Likes",

            data: likes,

            borderColor: "#42a5f5",

            fill: false

          },

          {

            label: "Shares",

            data: shares,

            borderColor: "#66bb6a",

            fill: false

          }

        ]

      }

    });

  </script>

</body>

</html>

On Wed, 3 Sep, 2025, 3:13 pm Agalyavengathesh Agalya, <[agalyaagalyavengathesh@gmail.com](mailto:agalyaagalyavengathesh@gmail.com)> wrote: