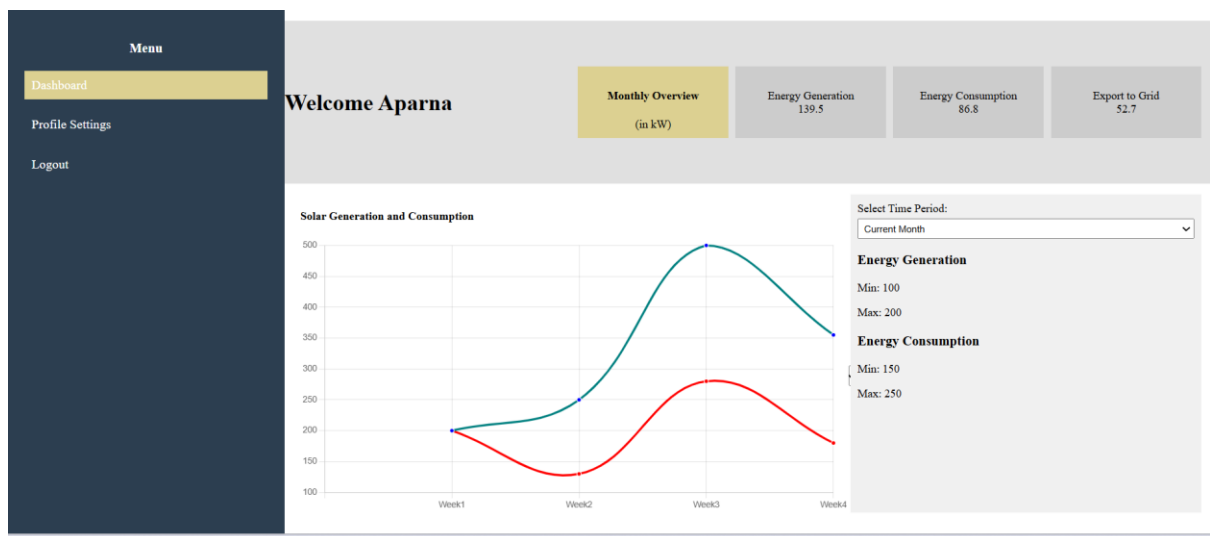Use case 2:

Energy dashboard

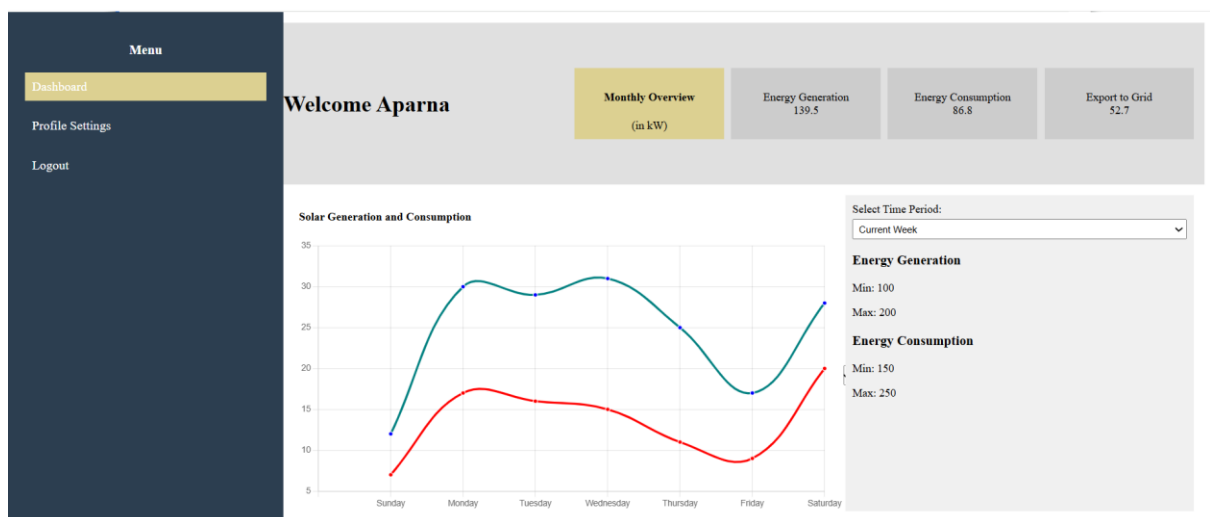Name: Aparna Chaudhary

Technology used: Angular 17, json data

Email id: Aparna.chaudhary@capgemini.com
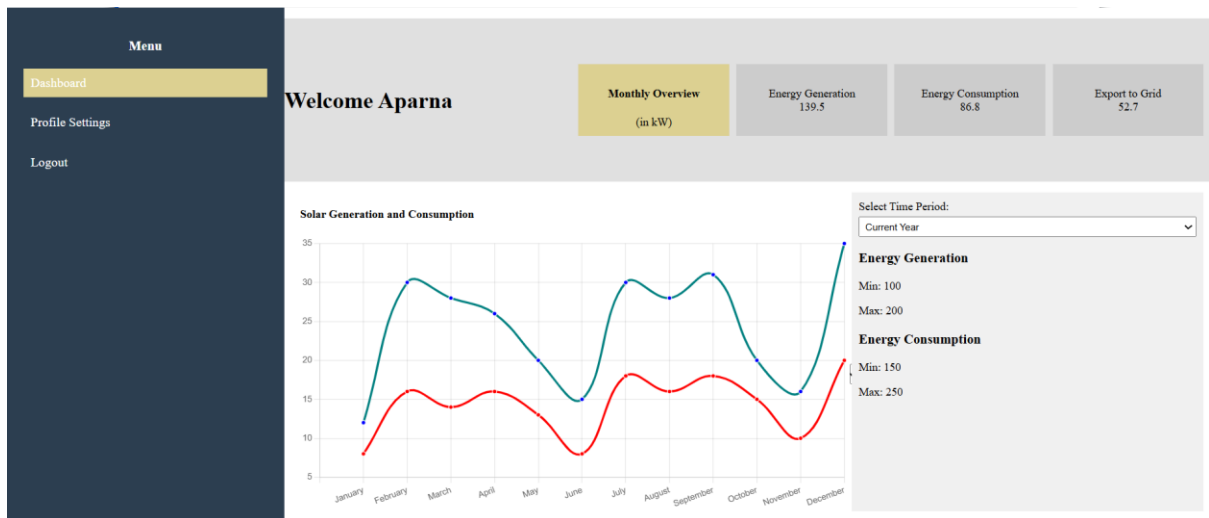
Screen 1: Selected month

Screen 2: Selected week

Screen 3: Selected year

Code


```
18    export class GraphComponent {
66
67  > public weekChartData: ChartConfiguration<'line'>['data'] = { ···
84    };
85
86    public yearChartData: ChartConfiguration<'line'>['data'] = {
87      labels: this.currentYearChartLabels,
88      datasets: [
89        {
90          data: [null, 12,30,28,26,20,15,30,28,31,20,16,35], // Sample data points
91          label: 'Product A',
92          borderColor: 'teal',
93          pointBackgroundColor: 'blue',
94          tension: 0.4,
95        },
96        {
97          data: [null, 8,16,14,16,13,8,18,16,18,15,10,20], // Another dataset
98          borderColor: 'red',
99          pointBackgroundColor: 'red',
100          tension: 0.4,
101        },
102      ],
103    };
104
105    constructor() {
```

OPEN EDITORS

DASHBOARD
  energy-dashboard
    > .angular
    > .vscode
    > node_modules
    ∨ src
      ∨ app
        > app-graph
        ∨ components
          ∨ graph
            # graph.component.css
            ◇ graph.component.html
            TS graph.component.spec.ts
            TS graph.component.ts
          > sidebar
        ∨ models
        ∨ services
        # app.component.css
        ◇ app.component.html
        TS app.component.spec.ts
        TS app.component.ts
        TS app.config.ts
        TS app.routes.ts

```html
 1  <div class="container">
 5      <div class="main-content">
28          <div class="graph-body">
29              <div class="graph-container">
31                  <div class="graph" style="display: block;">
32                      <h4>Solar Generation and Consumption</h4>
33                      <app-graph [timePeriod]="selectedTimePeriod"></app-graph>
34                  </div>
35                  <div class="right-container">
36                      <div class="top-section">
37                          <!-- Top section content -->
38                          <label for="time-period">Select Time Period:</label>
39                          <select id="time-period" (change)="onTimePeriodChange($event)">
40                              <option value="current-month">Current Month</option>
41                              <option value="current-week">Current Week</option>
42                              <option value="current-year">Current Year</option>
43                          </select>
44                          <div>
45                              <h3>Energy Generation</h3>
46                              <p>Min: {{ energyData.cmin }}</p>
47                              <p>Max: {{ energyData.cmax }}</p>
48                              <h3>Energy Consumption</h3>
49                              <p>Min: {{ energyData.gmin }}</p>
50                              <p>Max: {{ energyData.gmax }}</p>
51                          </div>
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   COMMENTS

esbuild - energy-dashboard