INTERNSHIP-REPORT

igrenEnergi

Internship Duration:

The internship at IgrenEnergi started on 27th June 2023 and ended on 31st July 2023, lasting for one month.

Internship Objectives:

At the beginning of the internship, my main objectives were to gain practical experience in web development, enhance my programming skills, and seek to gain the confidence to explore new technologies and tackle diverse projects.

Internship Progress:

During the internship, I worked on various tasks involving Angular and Plotly for data visualization.

- **Week1:** Introduction and Familiarization-
  I familiarized myself with Angular, a powerful front-end framework, and Plotly, a data visualization library. I explored their functionalities and capabilities through tutorials and documentation.

- **Week2:** Data Parsing and Summation-
  I set up an Angular project and imported necessary libraries, including NgxCsvParser. I developed the functionality for users to select a CSV file and was able to successfully parse and extract data from the selected file. Additionally, I displayed the calculated summation values for specific data groups.

- **Week3:** Interactive Graphs-
  I was provided with a data file from the company, and my task was to create interactive graphs displaying the relationship between 'E1' values and timestamps. I categorized the data into two groups based on specific criteria and represented them with different colors as separate traces on the graph.

- **Week4:** Enhancing Stack Bar Chart-
  During the final week, I worked on enhancing the stack bar chart graph by adding annotations on top of each bar. While I made progress in implementing the annotations, I couldn't fully complete the task by the end of the week.

This internship has been a transformative learning journey for me, fostering personal development.I am grateful for the guidance and support, which greatly contributed to my progress during this internship.

Sincerely
Soupati Sri Nithya
Software Intern, igrenEnergi