Training Day-10 report

03 July, 2025

Today's focus was on understanding and applying **Cross-Origin Resource Sharing (CORS)** in server configurations, along with hosting a static website for the first time. It was a productive learning experience covering both **backend security concepts** and **frontend deployment**.

Work-Undertaken:
• Studied the concept of **CORS (Cross-Origin Resource Sharing)**, its importance in web security, and when it is required.
• Learned how to configure CORS from the **server-side**, including:
  – Allowing specific origins or enabling access to all origins.
  – Specifying allowed HTTP methods and headers.
• Applied this knowledge practically by configuring CORS in a Node.js backend project.

• Additionally, hosted a **static blog/daily diary website** using **GitHub Pages**, marking my **first experience with website hosting**.

Key Learnings:
• Understood how browsers enforce **same-origin policies** and how CORS provides controlled relaxation of these rules.
• Learned how incorrect or missing CORS headers can lead to blocked requests in frontend-backend communication.
• Gained hands-on experience with **GitHub Pages deployment**.

Conclusion:
Today's training significantly strengthened my understanding of **web request security** and gave me first-hand experience with **static site deployment**. Hosting my first website was a milestone, and the process of enabling CORS will help in building more robust full-stack applications moving forward.

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