

1. Task Implementation

The landing page for the Machine Intellect Society was developed using basic web technologies, ensuring simplicity, responsiveness, and ease of deployment. The implementation steps were as follows:

1. Project Setup:

- Created a project directory with structured folders for assets and scripts.
- Added index.html, style.css, script.js, and events.json.

2. HTML Structure:

- Designed a responsive layout with sections for the club's name, logo, mission, vision, upcoming events, and contact details.
- Added a navigation bar for easy page access.

3. Styling with CSS:

- Used flexbox for a structured, responsive design.
- Applied a dark theme with modern aesthetics.
- Implemented hover effects and animations for enhanced user experience.

4. JavaScript Functionality:

- Used fetch() to load upcoming events dynamically from events.json.
- Displayed events as a list with clickable links for more details.

5. Deployment:

- Uploaded the project to GitHub.
- Used GitHub Pages for hosting, making the site accessible online.

2. Challenges and Solutions

Challenge	Solution
Ensuring mobile responsiveness	Used media queries and flexbox to create a flexible layout.

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JSON event data not loading initially	Fixed by checking fetch() path and debugging in the browser console.
Cross-browser compatibility	Tested on Chrome, Firefox, Edge, and Safari, making minor CSS adjustments.
Hosting images properly	Stored them in the assets/ folder and referenced them with relative paths.

3. Tools and Technologies Used

- **Languages:** HTML, CSS, JavaScript, JSON
 - **Development Tools:** VS Code
 - **Version Control:** Git & GitHub
 - **Hosting Platform:** GitHub Pages
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