

## **FINAL REFLECTION:**

The EduBridge project has been a transformative experience, evolving from a simple static HTML site to a dynamic platform with a robust backend and modern frontend. Initially, we focused on designing a static prototype that outlined our vision: connecting tutors and students to address the educational gap, inspired by the UN's Sustainable Development Goal of providing quality education for all.

The second phase introduced functionality using Node.js and MongoDB. We implemented features such as user authentication, forums, material repositories, and quiz management. These additions gave life to the project but also presented challenges like debugging authentication issues and optimizing database interactions. Overcoming these hurdles strengthened our technical skills and teamwork.

In the final phase, we modernized the platform with React, creating a responsive and dynamic user interface. This required breaking the project into frontend and backend services, adding reusable components, and deploying the application on Render. This step pushed us to adapt quickly to new tools and workflows, deepening our understanding of scalable web development.

Overall, EduBridge has been a meaningful project, both in its purpose of addressing educational inequality and in its role as a learning experience. It taught us collaboration, problem-solving, and adaptability while allowing us to create something impactful that connects students and tutors in meaningful ways.