

## Assignment 10: Proficiency Submission

**Option Chosen:** Option 1 - Create Your Own Assignment

**Project Title:** MERN Stack Portfolio Website

**Goals and Expected End Result:** I aim to create a personal portfolio website using the MERN stack (MongoDB, Express.js, React.js, Node.js). The goal is to showcase my web development proficiency by building a responsive, full-stack web application that displays my professional information and projects. This website will act as my personal brand and resume.

**Project Features:**

### 1. MongoDB Database Integration

- I will create a MongoDB database to store dynamic content including project details, achievements, and professional experiences.
- Each section of the portfolio will fetch data from the database.

### 2. Backend with Express.js and Node.js

- The backend will connect to the MongoDB database.
- It will expose routes like /projects, /achievements, /experience, etc.
- These routes will send the respective data to the frontend in JSON format.

### 3. Frontend with React.js

- The frontend will be built in React and use React Router for client-side routing.
- The navigation bar will include links like Home, Projects, Achievements, and Experience. Clicking on each will navigate to a separate component/page.
- Each page will fetch and render data from the backend dynamically.

### 4. Deployment

- The final application will be deployed on platforms such as Render (for backend) and Netlify or Vercel (for frontend).

**End Result:** A live and hosted personal portfolio website featuring:

- Dynamic content pulled from MongoDB
- Clean navigation with routes for each section
- Real project, achievement, and experience data
- Demonstration of full-stack web development proficiency

I will submit the code and demo as required once the website is built.