

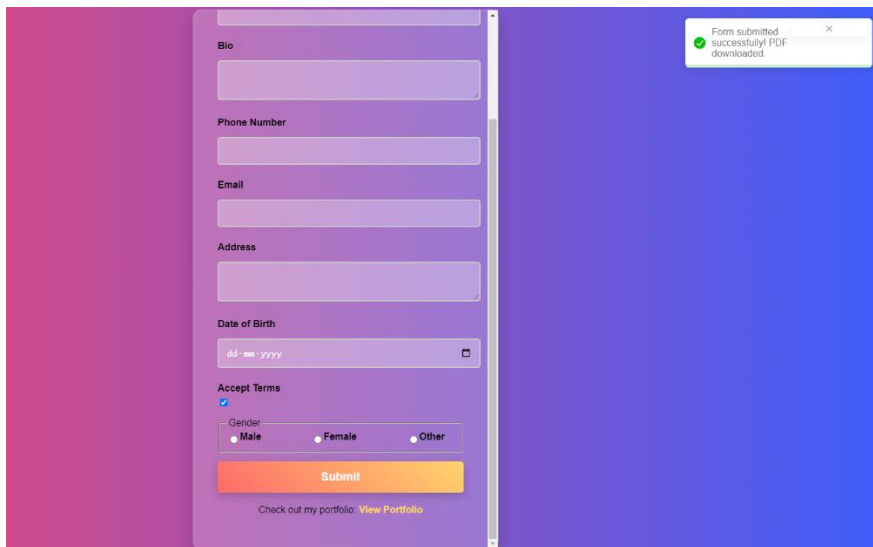
Task 2: Shared Component for Form Inputs

1. Task-Description

The goal of this task was to develop a shared input component that could be reused across multiple forms. This component supports various types of inputs, including text fields, text areas, checkboxes, and radio buttons, improving the consistency and maintainability of the codebase.

2. Screenshot of Output

The image displays two screenshots of a web form titled "Bio Data Form". The form is set against a purple gradient background. The first screenshot shows the form with the following fields filled: Name (mohammed faiz), Bio (Someday it will all make sense), Phone Number (6363073194), Email (faizbalochsrk@gmail.com), Address (mysore, karnataka), and Date of Birth (11-07-2003). The "Accept Terms" checkbox is checked. The second screenshot shows the same form but with additional fields: a "Gender" section with radio buttons for "Male" (selected), "Female", and "Other", and a prominent orange "Submit" button at the bottom. Below the button is a link that says "Check out my portfolio: [View Portfolio](#)".



3. Widget/Algorithm Used

- **React Functional Components:** I created a functional component called `InputField` that accepts props to define the type of input, placeholder text, and any validation rules.
- **CSS Flexbox:** Flexbox was used for styling the component layout, ensuring responsiveness and alignment across different screen sizes.
- **Prop Validation:** Implemented `PropTypes` to ensure the component receives the correct data types, enhancing robustness.

4. Implementation Steps

- Defined the `InputField` component with conditional rendering based on the type prop.
- Created a centralized stylesheet to handle all the input field styling.
- Integrated the `InputField` component into various forms across the application to ensure consistency.