VIPUL KHEDEKAR
FRONT-END DEVELOPER

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TECHNICAL SKILLS

Languages: JavaScript ES6, TypeScript, HTML5, CSS3
Frameworks & Libraries: React, Redux Toolkit, Tailwind CSS, Styled Components, React Router, Express, Axios
Technologies & Tools: Sass/SCSS, Node.js, Git, MongoDB

WORK EXPERIENCE

Skyscanner   Oct. 2022 – Present
Front-end Developer Intern   Remote

- Developed **reusable React** UI components to keep the design **scalable**, **maintainable**, and **consistent**.
- Streamlined **cross-browser compatibility** by using **polyfills** to fetch data, which increased monthly site visits from older browsers by 8%.
- Facilitated screen reader **accessibility** to visually impaired users by coding **semantic HTML/JSX**.
- Improved the bounce rate by **splitting** and **structuring** the component code into 3 smaller **modules** and importing them with **React lazy-loading** technique.
- Established ease of navigation by **routing** nav-buttons on the **404 page**.

Hindustan Petroleum Corporation Limited   Sept. 2020 – Mar. 2021
Project Engineer Apprentice   Mumbai

- Migrated the legacy **CSS** styles to **nested Sass**, **documented** and **minified** for optimal structure, file size, and **loading times**.
- Gathered inputs from 65 workers to design the app's new look with a team of 4.
- Executed **A/B testing** to decide between two prominent iterations.

PROJECTS EXPERIENCE

The Top 1% Thrift Club — *Marketplace to trade secondhand luxury items*   [**Live Demo**] | [**Source Code**]

- Improved development experience with **TypeScript** for type safety.
- Introduced **quality-of-life features** such as feedback after the "Take my money" and "Can we talk?" actions, asymmetric image grids, category filter, cart count, mini-scroll, etc to **raise user engagement**.
- Resolved the "Add to cart" and "Delete from cart" **event bubbling issues** by preventing their **propagation** resulting in an optimal process flow.
- Developed a **responsive** view with **Tailwind CSS breakpoints** to boost traffic from tablet users.

Mellowic — *Discover location-based trending music, lyrics, and artists*   [**Live Demo**] | [**Source Code**]

- Retrieved location information using a **geolocation API** to display the end user relevant results via **Redux slices**, reducing development time.
- Performed **conditional rendering** between data, loader, and error based on the fetch status with **JavaScript short-circuit evaluation** technique.
- Crafted **loader** and **hover animation effects**, resulting in smooth transitions.
- Added **checks** and **fallbacks** to handle situations where **API endpoints** served undefined data.

Pet Flex — *Adoption alerts and social media for pet lovers*   [**Live Demo**] | [**Source Code**]

- Sped up the **load time** by 25% by utilizing the **webP** image format.
- Eliminated all friction associated with accessing the feed by inventing a temporary **guest login feature** in addition to the traditional **authentication**.
- Displayed an **alert** instruction pop-up upon entering less than 3 characters for the **search**.
- Maximized **screen space** by revamping the browser's built-in **scrollbar** for a **modern slim design**.

EDUCATION

Watumull Institute Of Electronic Engineering And Computer Technology   Mumbai
Bachelor of Engineering (BE) in Instrumentation