

Design and Development of a Fashion E-Commerce Website Using React.js and TypeScript

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Abstract: *This research presents the design and implementation of a modern Fashion E-Commerce Website created using React.js and Typescript. The aim was to develop a scalable and responsive online platform dedicated to apparel and accessories. The system provides an interactive interface that enables users to log in, browse products, view detailed descriptions, add items to a shopping cart, and complete purchases through a simulated UPI checkout. The study focuses on applying component-based architecture, asynchronous data handling, and responsive design to deliver a seamless user experience. The outcome demonstrates that combining React.js with TypeScript offers a powerful foundation for developing efficient and maintainable front-end systems suitable for commercial e-commerce deployment.*

Keywords: TypeScript; E-Commerce; Frontend Development; Responsive Design; User Interface

