

ABSTRACT

Click'nScroll

Click'nScroll is an innovative e-commerce platform built on the MERN stack, catering specifically to computer peripherals enthusiasts. This project aims to provide a seamless and user-friendly online shopping experience for customers looking to purchase a variety of computer peripherals such as mice, keyboards, speakers, and other essential equipment.

The architecture of Click'nScroll is based on the MERN stack, leveraging the strengths of each technology to create a robust and scalable e-commerce solution. MongoDB is employed as the database to store product information, user data, and other essential details. Express.js is utilized for building the backend server, handling HTTP requests, and managing the application's logic.

The front end is developed using React.js, ensuring a dynamic and responsive user interface. The website boasts an intuitive design, allowing users to easily navigate through categories, view product details, and make purchases seamlessly.

Key features of Click'nScroll include:

- **User Management:** The platform allows users to register and log in securely, providing a personalized experience. Users can track their orders, manage their profiles, and save favorite items for future reference.
- **Admin Management:** Administrators have access to a dedicated dashboard for managing product listings, monitoring user activity, and handling orders efficiently. The admin panel includes functionalities for updating product details, managing inventory, and analyzing sales data.
- **Product Catalog:** Click'nScroll offers an extensive catalog of computer peripherals with detailed product descriptions, images, and specifications. Users

can easily search for products, filter results, and compare different items before making a purchase.

- **Secure Payment:** The platform ensures secure transactions by integrating popular payment gateways, providing users with a safe and reliable payment experience.

Technologies Used:

- **Frontend:** React.js, HTML5, CSS3, JavaScript
- **Backend:** Node.js, Express.js
- **Database:** MongoDB

Pages required:

- **Home Page:**
- **Product Page:**
- **Product Details Page:**
- **Cart Page:**
- **Checkout Page:**
- **Order Confirmation Page:**
- **User Account Dashboard:**
- **Admin Dashboard:**
- **Authentication Pages:**
- **About Us Page:**
- **Contact Us Page:**