SAYED ALI NAWAZ

Student

EDUCATION

- **TRIDENT ACADEMY OF TECHNOLOGY**
  2022-2025
  CS&IT
- **SCTE&VT, KIIT POLYTECHNIC**
  2017-2020
  Diploma
- **NCVT, KIIT ITI**
  2015-2017
  ITI
- *MATRICULATION*
  2015
  10th

PROJECTS

Fruits & Vegetables site using Full Stack

1. **Project Objective:**

- Develop an e-commerce platform for selling fresh fruits and vegetables.
- Ensure a seamless shopping experience for customers, with user-friendly UI/UX and robust backend functionality.

1. **Frontend Technology:**

- React.js
  - Built dynamic and responsive UI for browsing products, viewing details, and managing the cart.
  - Integrated reusable components like product cards, category filters, and navigation bars.
  - Leveraged React Router for single-page application navigation.

1. **Backend Technology:**

- Node.js and Express.js
  - Designed RESTful APIs for handling customer requests (e.g., fetching products, managing orders).
  - Implemented authentication and authorization using JWT (JSON Web Tokens) for secure user access.
  - Enabled server-side validation to ensure data integrity.

1. **Database:**

- MongoDB
  - Structured collections for storing product data, user profiles, and order histories.
  - Implemented indexing for faster search queries (e.g., finding products by category or name).
  - Used Mongoose ORM for schema definition and database operations.

ONJECTIVE

To obtain a challenging position in high quality engineering environment where my resourceful experience and academic skill will add value to organizational operations.

CONTACT ME

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LANGUAGE

Advanced English.
Advanced Hindi.
Advanced Urdu.
Advanced Odia.

PROGRAMMING SKILLS

- ReactJS
- C
- C++
- JAVA
- HTML
- CSS
- JAVA SCRIPT
- MySQL
- DSA

ElectroCart - E-Commerce Electronics Website

1. **Project Objective:**

- Develop an e-commerce platform for selling Electronics Item.
- Used the MERN stack (MongoDB, Express, React, and Node.js) to create a full-stack e-commerce platform for the sale of electronics.
- Offered a user interface that was responsive and easy to use so that customers could browse, search, and buy products.
- Secure user and administrator authorization and authentication were put into place.
- allowed administrators and users to manage orders and products in real time.

1. **Frontend Technology:**

- React.js
  - A dynamic single-page application (SPA) is constructed using React.js.
  - For smooth route switching, React Router was used.
  - Axios for managing backend service API requests.
  - Tailwind CSS, Bootstrap, and Material-UI are used to create a clean and responsive user interface.
  - Redux is an optional tool for controlling the state of the entire application, including user sessions and carts.

1. **Backend Technology:**

- Node.js and Express.js
  - RESTful API services are built using Node.js and Express.js.
  - JWT-based authentication is used in secure APIs.
  - To distinguish between administrator and user access, role-based access control was put into place.
  - Dotenv is used to handle environment variables in order to securely manage sensitive data.

1. **Database:**

- MongoDB
  - Users, products, and order information are stored in a NoSQL database called MongoDB.
  - For database interaction, validations, and schema definitions, use Mongoose ODM.
  - defined distinct schemas for orders, products, and users.
  - Indexing and validation were used to secure data integrity and optimize queries.