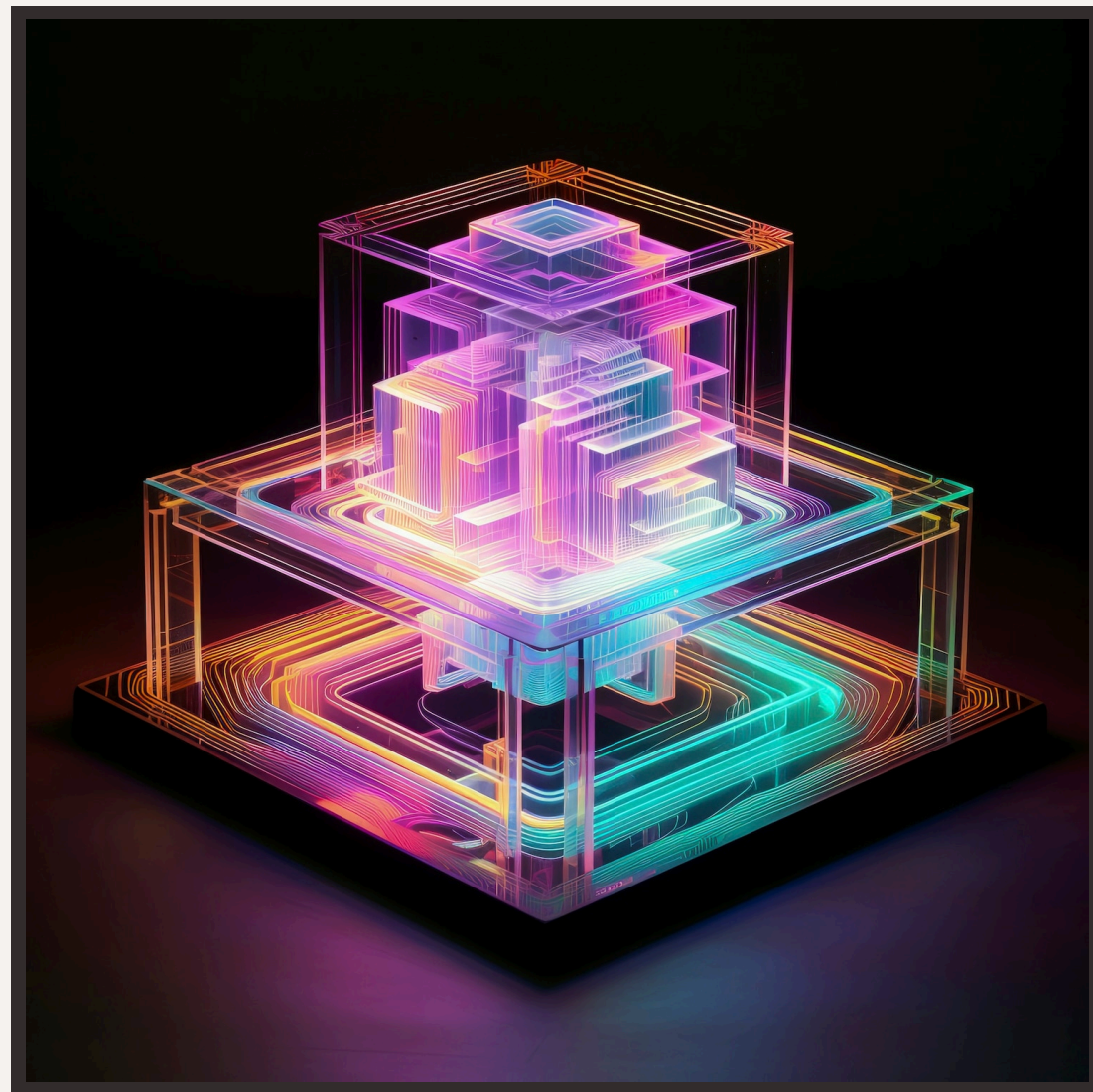# Building a Full Stack Food Delivery Website with the MERN Stack
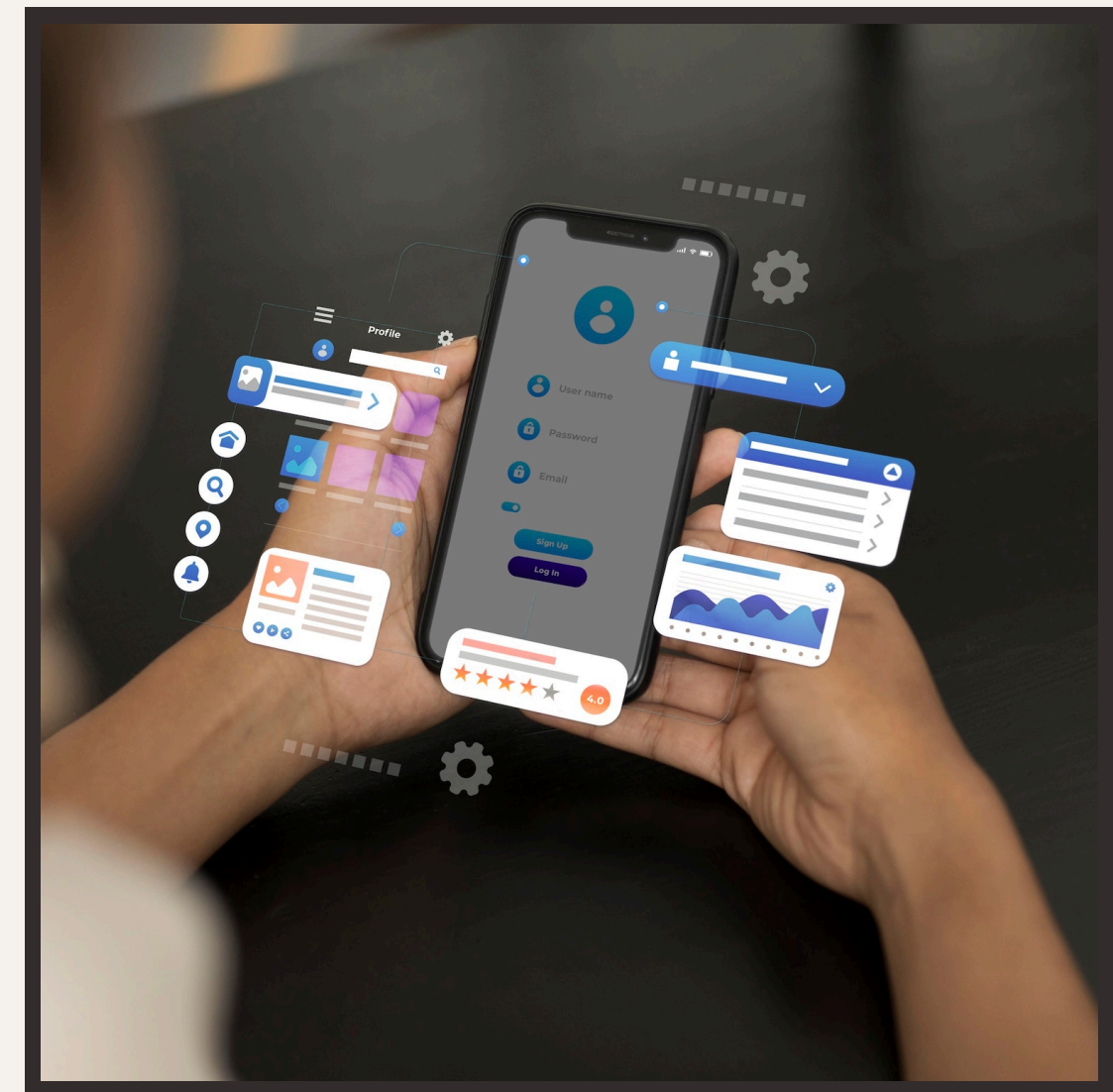
Name -Rachita Gupta
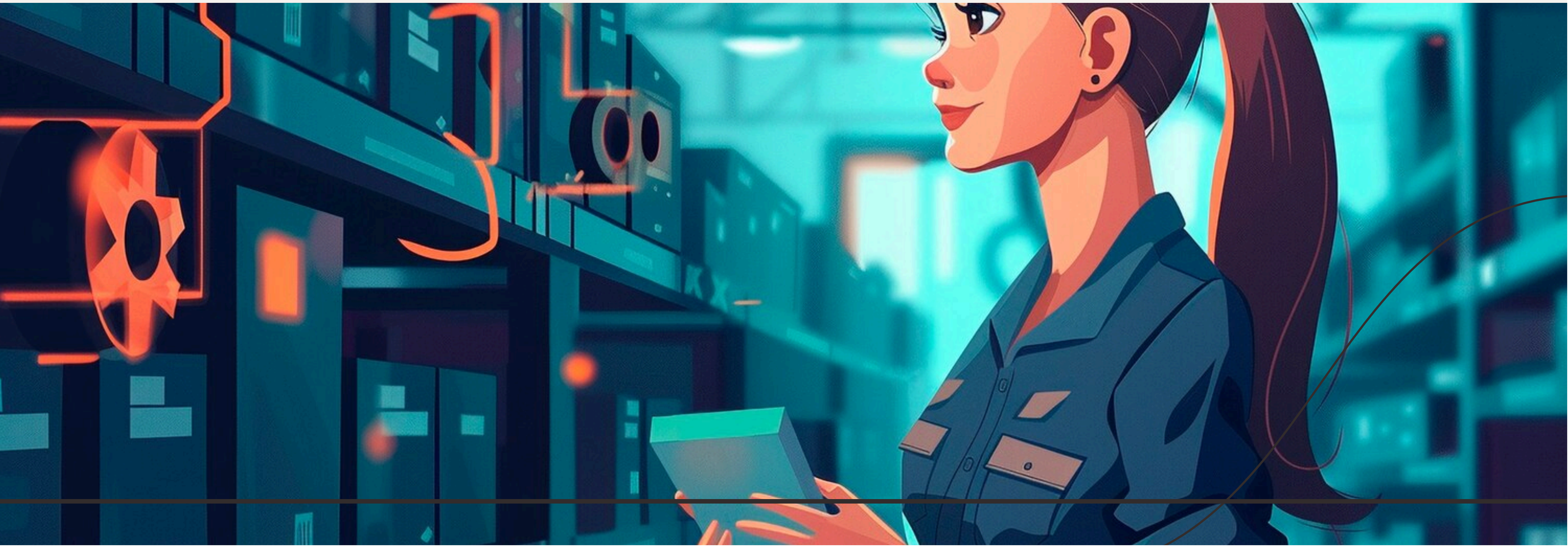Roll no. -2115300015

Introduction to MERN Stack

The **MERN Stack** consists of **MongoDB**, **Express.js**, **React.js**, and **Node.js**. This powerful combination allows developers to build **full-stack web applications** efficiently. In this presentation, we will explore how to create a **food delivery website** using these technologies.

Setting Up the Project

To begin, we need to set up our **development environment**. This involves installing **Node.js** and creating a new **React** app using **Create React App**. Additionally, we will set up **Express.js** for the backend and connect to **MongoDB** for database management.

The **backend** of our food delivery website will be built using **Express.js**. We will create **RESTful APIs** to handle user requests, manage orders, and interact with our **MongoDB** database. This structure ensures smooth communication between the client and server.

Using **MongoDB**, we will design a **schema** for our food delivery service. This includes collections for **users**, **foodItems**, and **orders**. Proper indexing and data validation will ensure efficient data retrieval and maintain data integrity.

Developing the Frontend

The **frontend is** built with **React.js**, allowing for a dynamic user interface. It implement components for **menu display**, **order placement**, and **user authentication**. Utilizing **state management** with hooks will enhance the user experience.

Integrating Payment Systems

To facilitate transactions, we will integrate a **payment gateway**. This involves setting up secure payment processing using services like **Stripe** or **PayPal**. Ensuring **security** and **user privacy** is paramount during this integration.

Conclusion

In conclusion, building a **full stack food delivery website** with the **MERN stack** is a rewarding experience. By leveraging the strengths of each technology, we can create a robust, scalable, and user-friendly application. Thank you for your attention!