

# SUKHARANJAN JANA

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I am a dedicated Full Stack Developer with a focus on MERN stack technologies. With a strong foundation in web development, I excel at creating scalable and responsive web applications. My proficiency spans across front-end and back-end technologies, ensuring seamless integration and high-performance solutions.

## EDUCATION

Bachelor of Technology, Kalinga Institute of Industrial Technology  
Stream: Information Technology

Expected 2025

## TECHNICAL SKILLS

**Languages:** C, CPP, JavaScript, Python, SQL, JAVA, R Script  
**Frameworks:** React, Node JS, Express JS, EJS  
**Web Technologies:** HTML, CSS, Tailwind CSS  
**Tools:** Git, GitHub, R Studio, VSCode, Postman, Adobe Photoshop, Figma  
**Libraries:** Pandas, NumPy, Matplotlib, Scikit-learn, Seaborn  
**Concept:** Data structures, Algorithms, Object Oriented Programming, DBMS, AI & ML

## PROJECTS

**Scan&Dine – Restaurant Management Application:** Developed a feature-rich **restaurant management application** as part of a **major college project** in a team of three, utilizing the MERN stack (**MongoDB, Express.js, React.js, Node.js**) and **Redux** for state management.

The application enables users to:

- **Scan QR codes** to order food directly from restaurants.
- **Book tables** conveniently through the platform.
- **Seamlessly make payments** using integrated **PayPal** functionality.

Key features include:

- **Restaurant Registration:** Restaurants can join the platform and manage their presence.
- **Password Security:** Implemented robust password hashing for secure authentication.
- **Email Notifications:** Integrated an emailing system for user and restaurant communications.
- **Scalable Database:** Used **MongoDB** to manage user, restaurant, and order data effectively.

(User) (Admin)

**MERN-E-commerce:** This project is part of my MERN Stack from Scratch | eCommerce Platform project. It is a full-featured shopping cart with **PayPal & credit/debit payment** options. ([Link](#)) ([Code Link](#))

## Responsive Portfolio:

Developed a fully responsive portfolio website using **React and Tailwind CSS**. ([Link](#))

**Crop Yield Prediction:** Crop yield prediction is an important aspect of agriculture that helps farmers make informed decisions about their crops.

- **Objective:** Estimate crop production.
- **Approach:** Use ML algorithms (e.g., GBM) with Python libraries.
- **Impact:** Precision agriculture enhances yields sustainably. ([Code Link](#))

**Music Player Application:** Developed a Python-based music player application designed to provide a seamless audio playback experience. Worked extensively on the backend to implement features such as play, pause, stop, next, and previous song functionalities. The application also features dynamic updates to the currently playing song, enhancing user convenience and experience. ([Code Link](#))

## Practice Projects:

**YouTube-Clone:** I developed a YouTube clone using only HTML and CSS. This project involved creating a responsive layout, complete with a video grid, navigation sidebar, and search box, effectively mimicking the UI of the YouTube platform. ([Link](#))

**Amazon-Ecommerce-Clone:** I developed an e-commerce website clone(amazon) using HTML, CSS, and JS. It's a fully functional website with responsiveness.

## SKILLS

- Strong organizational and time management skills
- Ability to work independently and as part of a team
- Detail-oriented and able to handle multiple tasks simultaneously