

# Sachin Rathod

**Full Stack Developer | B.E in Computer Engineering(Last Year)**

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## Professional Summary

Final-year B.E. Computer Engineering student with practical exposure to fullstack development at **Kalki Digital Information Technology**. Skilled in building scalable applications using React.js, Node.js, Express.js, and MySQL. Hands-on experience in developing RESTful APIs, implementing authentication, and creating responsive user interfaces. Strong interest in full stack development and machine learning applications in agriculture. Seeking an entry-level **FullStack Developer** role to contribute to innovative development teams and deliver efficient, user-focused solutions.

## Education

B.E in Computer Engineering (Last Year) at **Saraswati College of Engineering**, Kharghar, Navi Mumbai | 2022 – 2026

## Skills

- Frontend Development: HTML, CSS, JavaScript, React.js, Bootstrap
- Backend Development: Node.js, Express.js, Java
- Database Management: MongoDB, MySQL, PostgreSQL
- Tools & Libraries: RESTful APIs, Bootstrap
- Version Control: Git, GitHub

## Professional Experience

Full Stack Developer **Kalki Digital Information Technology**, Panvel, Navi Mumbai | **November 2025 –Present**

- Developed scalable web applications using React.js for frontend, Node.js and Express.js for backend, and MySQL for data management, resulting in responsive and efficient user interfaces.
- Designed and implemented RESTful APIs with secure authentication mechanisms (e.g., JWT), improving data accessibility and system security for team projects.
- Collaborated with cross-functional development teams to optimize code quality, enhance application performance by 20% through refactoring, and integrate features that supported real-time user interactions.

## Project Summaries

[AI-Driven LCA Tool \(SIH 2025\)](#) : Smart India Hackathon (SIH) 2025 | MERN Stack

MERN-stack dashboard for metallurgy/mining sustainability: Automates life cycle assessments, tracks carbon/energy footprints, generates reports, and offers AI recommendations for circular economy practices. Tech: React, Node.js, MongoDB, Chart.js.

### **Finova Accountant App : MERN Stack Financial Management Tool | MERN Stack**

Developed a full-stack app for expense tracking, investment monitoring, and tax optimization using React.js, Node.js, Express.js, and MongoDB, with JWT authentication and OpenAI API integration for fraud alerts and recommendations. Created interactive dashboards for real-time financial insights, goal tracking, and bill reminders, improving user decision-making and security through AI-driven chatbot support

### **Food Delivery System Responsive : React-Based E-Commerce**

Designed a responsive web app for seamless food ordering with dynamic menus, cart management, and secure checkout using React.js, Context API, and React Router for efficient state handling and navigation. Implemented smooth animations and optimized loading with CSS Modules and Google Fonts, supporting real-time updates and mobile-friendly interactions for improved user engagement. Focused on intuitive UI for browsing, adding/removing items, and order placement, laying groundwork for future payment integrations and admin dashboards.

### **3D Model : Interactive 3D Visualization Tool**

Created a browser-based 3D explorer using Three.js and WebGL for real-time rendering, rotation, zoom, and pan controls on 3D models, with clean CSS styling for lightweight performance. Enabled no-install access via simple HTML entry point, demonstrating proficiency in JavaScript ES6 and interactive web graphics for educational or prototyping use cases.

### **Face Eye Smile Detection : OpenCV Real-Time Detection App**

Built a webcam-based facial feature detector using OpenCV Haar Cascades to identify faces, eyes, and smiles in live feeds or images, achieving efficient real-time processing. Utilized pre-trained models for lightweight, modifiable detection, suitable for applications in security or interactive media.

### **Certifications**

- Educational Certificates: [https://drive.google.com/drive/u/0/folders/1yK8O9mN-cD39iiyW6\\_KiThDw0qINx82F](https://drive.google.com/drive/u/0/folders/1yK8O9mN-cD39iiyW6_KiThDw0qINx82F)
- Other Certifications: <https://drive.google.com/drive/u/0/folders/1SP8KmtDslrmND010S1FcC7P29RrMiSf>

### **Kye Skills**

Problem-solving | Teamwork | Communication | API integration

### **Additional Information**

- Hobbies: Playing Kabaddi, Travelling
- Links: Portfolio: <https://silly-cucurucho-620726.netlify.app/>
- Volunteer Experience: NSS Co-Head for 2 Years