

# Siddarth Koul

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## EDUCATION

**International Institute Of Information And Technology**  
*Bachelor of Engineering in Information Technology, CGPA : 8.3/10.0*

Pune, India  
2019 – 2023

## EXPERIENCE

### Web Developer Intern

Jan 2022 – Feb 2022

*Exposys Data Labs*

*Bangalore, Remote*

- Developed a user-friendly web interface for a Mass-Mail Dispatcher using HTML, CSS, and JavaScript to ensure smooth navigation and intuitive user experience.
- Implemented backend functionalities using technologies such as Node.js and Express.js, enabling the application to handle sending bulk emails efficiently.
- Implemented features such as email template customization, recipient segmentation, and scheduling to provide users with advanced email campaign management capabilities.

## PROJECTS

### EDukaan: E-commerce Store | *Typescript, Express.js, React.js, Node.js*

Present

- Engineered a robust ecommerce platform using **React.js** for frontend and Node.js with **Express** for backend, leveraging **MongoDB** for **database management**.
- Integrated **Redux** Toolkit and RTK Query for state management, ensuring seamless data flow and enhanced user experience.
- Implemented secure user authentication with **JWT** and **OAuth**, fortified by **TypeScript** for type-safe code.
- Orchestrated a sophisticated backend system to handle key functionalities such as Product Management, User Authentication, and Order Processing, ensuring optimal performance and **scalability**.

### Real Time Chat App | *Express.js, React.js, Socket.io, Node.js*

Dec 2023 – Jan 2024

- Developed a Real-Time Chat App with **MERN** stack, seamlessly integrating **Socket.io** for live communication, Tailwind CSS for UI design, and Daisy UI for component styling.
- Implemented **JWT** for robust **user authentication**, safeguarding data integrity and user privacy.
- Leveraged **MongoDB** for efficient data management, enabling fluid chat interactions and scalability. Engineered a dynamic and **responsive chat platform**, offering users an immersive experience with real-time messaging capabilities.

### Foodel : Food Delivery Platform | *Express.js, React.js, NoSQL, Node.js*

Oct 2023 – Dec 2023

- Developed a comprehensive backend system for a food delivery app, utilizing **microservices** architecture to handle key functionalities including **Order Management**, User Authentication.
- Ensured smooth communication between frontend (built on **React**) and backend (**Express.js**) using **Axios** for seamless data exchange.
- Implemented secure user authentication mechanisms using **JWT** and **OAuth**, bolstered by an **API Gateway** for request validation, rate limiting, and transaction consistency.

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, TypeScript, JavaScript, HTML/CSS,  
**Frameworks:** React.js, Node.js, Material-UI, Express.js, Bootstrap, Tailwind CSS  
**Developer Tools:** Git, Github, Docker

## EXTRACURRICULAR

**Google Development Student Club :** Web Lead

**Public Relations Committee :** Secretary

**Basketball Team :** Captain