

Aditya Kumar Singh

Full Stack Developer | Software Engineer | Web Developer

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Education

Shri Ramswaroop Memorial College of Engineering and Management (SRMCEM)

Expected May 2025

Bachelor of Technology in Computer Science and Engineering

GPA: 8.0/10

Relevant Coursework: Data Structures and Algorithms (C++), Operating Systems, Compiler Design, Software Engineering, Database Management Systems (DBMS)

Projects

1. FitBharat Light | *React, Node.js, MongoDB*

- **Frontend Development:** Designed and developed a **responsive fitness tracking app** using **React**, ensuring a seamless user experience.
- **Backend Architecture:** Built a **scalable and secure backend** with **Node.js** and **MongoDB** for efficient data management and authentication.
- **Core Features:** Implemented **workout tracking**, **calorie logging**, **progress visualization**, and **user authentication**.
- **Fitness Insights:** Enabled users to **set fitness goals**, **track exercise history**, and **monitor calorie burn trends**.

2. ToDoist - Task Management App | *JavaScript, React, Express, Node.js, MongoDB*

- **Full-Stack Development:** Created a **responsive task management app** with **React** for the frontend and **Node.js (Express)** for the backend.
- **CRUD Operations:** Implemented **Create, Read, Update, and Delete (CRUD)** functionality for task management.
- **User Authentication:** Secured login/signup with password encryption and **JWT-based authentication**.
- **RESTful API Development:** Built APIs for authentication and CRUD operations using **Express.js**.
- **Database Integration:** Used **MongoDB (Mongoose)** for scalable data storage.

3. Other Projects

- **BLIS - Book Libraries in Seconds** A web and mobile platform for **study room booking** with **map-based search**, **subscriptions**, **payments**, and a **library owner dashboard**. Built with **React, Node.js, and MongoDB**.
- **FitBharat A React Native fitness app** with **real-time tracking**, **workout plans**, **calorie logging**, **social challenges**, and **gamification**. Backend in **Node.js, MongoDB**.
- **eMasterJi** An educational awareness landing page built using **React.js** at a hackathon.

Extracurricular Experience

Computer Society of India, SRMCEM

Jan 2023 – Sep 2023

Vice-Chairperson

Lucknow

- Demonstrated leadership by organizing seminars and educating students. Played a key role in fostering a collaborative and innovative environment, and enhanced student engagement through interactive sessions and workshops.
- Organized 5+ technical seminars, engaging 100+ students, improving technical awareness in the community.

IEEE Computer Society, SRMCEM

July 2023 – Dec 2023

Technical Lead

Lucknow

- As the Technical Lead of the IEEE Computer Society, I organized technical seminars to keep juniors updated on domain knowledge and streamlined the registration process by integrating automatic certificate generation into Google Forms, enhancing efficiency.

Skills

Programming Languages: C++, Java, JavaScript

Frontend Development: React.js, Redux, Tailwind CSS, HTML, CSS

Backend Development: Node.js, Express.js, RESTful APIs, GraphQL

Databases: MongoDB, PostgreSQL

DevOps & Tools: GitHub, Postman, Figma

Soft Skills: Leadership, Problem-Solving, Team Collaboration, Public Speaking