

# Suraj Kr Shaw

Full Stack Developer

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## SKILLS

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**Frontend Development:** React.js | JavaScript | HTML | CSS | Tailwind CSS

**Backend Development:** Node.js | Express.js | MongoDB | SQL | MySQL

**Programming Languages:** C++ | JavaScript | Java

**Technical Foundations:** Data Structures | Algorithms | DBMS | Operating Systems | Computer Networks | Object-Oriented Programming (OOP)

**Version Control:** Git | GitHub

**Languages:** English | Hindi

## EXPERIENCE

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### Backend Development

*College Project*

*Project: Music world*

*February 2024 – April 2024 | Kolkata*

- Collaborated with a professor to develop a backend project, "**Music world**", which allows users to fetch data from the backend using SQL queries
- Utilized optimized SQL queries to reduce database response time by **30%**, improving system performance  
Designed and implemented an ER diagram to structure the database effectively.

## PROJECTS

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### Pass-One Password Manager

(<https://github.com/Surajshaw08/Paas-One-Password-manager->)

Developed **Pass-one**, a secure and responsive **MERN-based Password Manager** using **React.js**, **Node.js**, **Express.js**, **MongoDB**, and **Tailwind CSS**. Built a secure platform that allows users to store, retrieve, and manage passwords with **100% data encryption** and **95% faster UI rendering** using optimized state management and API handling.

Key Features:

- Built **5+ secure RESTful APIs** for storing and retrieving encrypted passwords. Integrated interactive features, improving **user engagement by 30%**.
- Designed a responsive UI using **React** and **Tailwind CSS**, improving load time by **30%**
- Used **Mongoose** to define schema models and handle database operations with **99% accuracy**.

### Hungry Buddy

( <https://hungry-buddy.vercel.app/> )

A dynamic food-ordering **web application** featuring intuitive search, location-based suggestions, and a modern, responsive UI. Developed using React.js, Tailwind CSS, JavaScript, HTML, and CSS.

Key Features:

- Intuitive search and location inputs
- Integrated interactive features, improving **user engagement by 30%**.
- Modular components for scalability

## AI-Landing Page

( <https://ai-landing-page-eta-seven.vercel.app/>)

- Designed a modern, responsive website using **React** to showcase AI services, resulting in a **50% faster load time** compare to similar templates.
- Enhanced performance with **Vite**, reducing page load time by **40%**, leading to a **15%** increase in visitor retention.
- Executed **responsive design**, ensuring accessibility on all device sizes, achieving a **100% mobile compatibility** Scor.

## ONE 1 Joke's Chrome extension

( <https://github.com/Surajshaw08/ONE-1-Joke-s>)

- Created **joke extension** using **HTML**, **CSS**, and **JavaScript** for **Google Chrome**.
- Ensured compatibility with all **modern browsers** and smooth user interaction.
- Published on the **GitHub**.

## EDUCATION

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### Bachelor of Technology (B.Tech) in Information Technology

*Budge Budge Institute of Technology, Maulana Abul Kalam Azad University of Technology (MAKAUT), West Bengal, India*

*Expected Graduation: May 2025 | GPA: 7.70*

### 11th and 12th Grade (Class XII)

*Birlapur Vidyalaya, Kolkata, West Bengal, India*

*Completed: April 2021 | Percentage: 61%*

## ACHIEVEMENT

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- Solved **90+** problems on **GeeksforGeeks**  
(<https://www.geeksforgeeks.org/user/surajshawowh3/>)

## VOLUNTEERING

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### Class Representative

*Department of Information Technology, Budge Budge Institute of Technology*

*December '21 – Present*

- Served as a liaison between **students and faculty**, ensuring effective communication, resulting in a **15%** improvement in **student satisfaction** ratings.
- **Organized** departmental **events**, **workshops**, and **study sessions**, increasing participation by **40%** and enhancing collaboration among students.
- Advocated for student concerns and suggestions, leading to **new resources and support initiatives** that benefited over **100+ students**.