

Satyam Ghosh

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EDUCATION

- Indian Institute of Information Technology Jabalpur
B.Tech in Computer Science Engineering
Relevant Courses: Operating Systems, Data Structures, Algorithms, DBMS, Computer Networks

Jabalpur, India

Aug 2023 - May 2027

TECHNICAL SKILLS

- Programming Languages: Python, C++, Java, JavaScript, TypeScript, SQL, HTML, CSS
- Frameworks: React, Next.js, Express, Redux Toolkit, Tailwind CSS, Node.js
- Databases: MongoDB, MySQL, PostgreSQL, GraphQL
- Tools & Technologies: Git, Docker, VS Code, Postman, Prisma, REST API, JWT Authentication
- Operating Systems: Linux, Windows
- Soft Skills: Problem-Solving, Analytical Thinking, Debugging, Complexity Analysis, Team Collaboration

PROJECTS

- RiseUp – Mental Health Support Website** Personal Project
Tech Stack: React, Node.js, MongoDB, Express.js, Firebase Authentication, WebSockets
 - Mental Health Platform:** Developed a **web-based support platform** that has impacted **500+ users** by providing guided meditation and mood-tracking features.
 - Real-time Chat System:** Implemented **WebSockets** for **instant messaging**, enabling users to connect with mental health professionals seamlessly.
 - User Authentication and Privacy:** Integrated **Firebase Authentication** to ensure **95% user anonymity** and safeguard sensitive data.
 - Analytics Dashboard:** Designed an **interactive dashboard** with **data visualization**, allowing users to track mood trends over time.
 - Performance Optimization:** Optimized API response time by **75%** using **Redis caching**, significantly improving platform efficiency.
- TaskMaster – Productivity and Time Management App** Personal Project
Tech Stack: React, Node.js, MongoDB, Express.js, Redux Toolkit, GraphQL
 - Task Organization System:** Built a **comprehensive task management system** with features like a **Kanban board** and **task priority labels**.
 - AI-Powered Scheduling:** Developed an **AI-driven task recommendation system**, optimizing user schedules based on past activity.
 - GraphQL API Integration:** Utilized **GraphQL APIs** to improve query efficiency, reducing data retrieval time by **60%**.
 - Notification System:** Integrated **real-time notifications and reminders** to enhance productivity and ensure timely task completion.
 - Optimized User Experience:** Designed a **modern UI with Tailwind CSS**, improving **app load time by 40%**.
- CollabConnect – Team Collaboration Platform** Personal Project
Tech Stack: React, Node.js, MongoDB, Express.js, Tailwind CSS, WebRTC, PostgreSQL
 - Real-time Collaboration:** Developed a **team collaboration platform** used by **10+ teams** to manage projects and workflows efficiently.
 - Secure Data Access:** Implemented **role-based access control (RBAC)** to ensure secure data sharing among users.
 - Video Conferencing:** Integrated **WebRTC-powered video conferencing** for seamless virtual meetings and **screen sharing capabilities**.
 - Automated Task Delegation:** Built an **AI-based task assignment system** that distributes tasks based on workload and expertise.
 - Database Optimization:** Improved **query execution time by 50%** using **PostgreSQL indexing**, enhancing database performance.

ACHIEVEMENTS

- LeetCode:** Rating: **1700+**, Best Rank: **2764**, Solved **250+** problems.
- CodeChef:** Rating: **1400+**, Global Rank **1050** in ****"Starters 176" contest****.
- Hackathon:** Participated in **"Can You Hack It" Hackathon** (August 2024).

PROFILES

- LeetCode:** leetcode.com/u/3qQDY4J2YE
- CodeChef:** codechef.com/users/satyamghosh89
- LinkedIn:** linkedin.com/in/satyam-ghosh-43b81a290