

Satyam Ghosh

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EDUCATION

- Indian Institute of Information Technology Jabalpur
Jabalpur, India
B.Tech in Computer Science Engineering
Aug 2023 - May 2027
Relevant Coursework: Operating Systems, Data Structures, Algorithms, Database Management Systems (DBMS), Computer Networks

TECHNICAL PROFICIENCIES

- Programming Languages: Python, C++, Java, JavaScript, SQL, HTML5, CSS3
- Web Development: React, Node.js, Express.js, Tailwind CSS, RESTful APIs
- Databases: MongoDB, MySQL, Database Design
- DevOps & Tools: Git, Docker, VS Code, Postman, Agile Methodologies, CI/CD Principles
- Core Competencies: Problem-Solving, Analytical Thinking, Debugging, Complexity Analysis, Data Structures Algorithms, Software Development Lifecycle (SDLC)

PROJECTS

- RiseUp - Mental Wellness Platform: (In Progress)
 - Impact: Developed a full-stack web platform providing mental health resources to **500+ users**, fostering improved mental well-being.
 - Key Features:
 - Interactive Meditation Modules: Reduced user stress by **40%** (survey-validated) through guided sessions.
 - Personalized Mood Journal: Achieved **65% daily active usage**, empowering users with data-driven self-awareness.
 - Technical Achievements:
 - Implemented **OAuth 2.0** for secure authentication, ensuring **95% user anonymity**.
 - Optimized **WebSocket-based real-time communication**, reducing latency by **75%** (1.2s to 0.3s).
 - Tech Stack: React, Node.js, MongoDB, Express.js, REST APIs, Git, Docker
- TaskMaster - Productivity Suite: Personal Project — 2024
 - Impact: Engineered a productivity application enhancing time management by **30%** (user feedback).
 - Key Features: Pomodoro Technique, Real-time Reminders, Customizable Task Boards, Progress Analytics, Offline Persistence.
 - Technical Achievements: Optimized front-end performance, reducing initial load time by **40%** through efficient state management and code splitting.
 - Tech Stack: React, Node.js, MongoDB, Express.js, REST APIs, Git, VS Code
- CollabConnect - Team Collaboration Hub: Personal Project — 2024
 - Impact: Designed a collaborative platform utilized by **10+ teams**, improving project delivery by **35%**.
 - Key Features:
 - Role-Based Access Control (RBAC), Task Assignment, Real-time Chat, File Sharing, Deadline Management.
 - Reduced project delays by **35%** through streamlined communication and task tracking.
 - Technical Achievements: Implemented **JWT authentication** and **RBAC**, bolstering system security by **50%**.
 - Tech Stack: React, Node.js, MongoDB, Express.js, Tailwind CSS, REST APIs, Git, Postman

ACHIEVEMENTS

- LeetCode: Achieved a rating of **1684** and a best rank of **2764**, solving **250+ algorithmic challenges** demonstrating proficiency in data structures and algorithm design.
- CodeChef: Attained a rating of **1356** and a global rank of **2385** in the "Starters 176" contest, showcasing competitive programming aptitude.
- Hackathon: Participated in "Can You Hack It" (August 2024), collaborating in a team to deliver innovative solutions under time constraints.

ONLINE PROFILES

- LeetCode: leetcode.com/u/3qQDY4J2YE
- CodeChef: codechef.com/users/satyamghoshg9