

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 Courses: Operating Systems, Data Structures, Algorithms, Database Management Systems (DBMS), Computer Networks

TECHNICAL SKILLS

- Programming Languages: Python, C++, Java, JavaScript, SQL, HTML, CSS
- Web Development Frameworks: React, Express.js, Node.js, Tailwind CSS
- Databases: MongoDB, MySQL
- Tools & Technologies: Git, Docker, VS Code, Postman, REST APIs, Agile Methodologies
- Core Skills: Problem-Solving, Analytical Thinking, Debugging, Complexity Analysis, Data Structures, Algorithms, Software Development Lifecycle (SDLC)

PROJECTS

- RiseUp – Mental Health Support Website: (In Progress)
 - Overview: Developed a full-stack web platform offering mental health resources, impacting **500+ users**. Implemented features to manage anxiety and depression, focusing on user experience and data security.
 - Key Features:
 - Guided meditation sessions integrated with audio and visual aids, resulting in a **40% reduction in stress levels** (based on user surveys).
 - Mood tracking journal with interactive data visualization, daily usage by **65% of active users**, facilitating self-awareness and mental health monitoring.
 - Technical Challenges Solved:
 - Implemented robust **secure authentication protocols** and data encryption, ensuring **95% user anonymity** and data privacy.
 - Optimized **real-time updates** for community forums using WebSocket, reducing response time from **1.2s to 0.3s**, enhancing user engagement.
 - Tech Stack: React, Node.js, MongoDB, Express.js, REST APIs, Git, Docker
- TaskMaster – Productivity and Time Management App: Personal Project — 2024
 - Overview: Engineered a task management application to enhance personal productivity and time efficiency, resulting in a **30% increase in productivity** (based on user feedback). Utilized Agile methodologies for iterative development.
 - Key Features: Pomodoro timer, real-time reminders, customizable categories, progress tracking, Kanban board interface, local storage optimization for offline access.
 - Technical Challenges Solved: Developed an intuitive and responsive user interface with optimized animations, reducing initial load time by **40%**.
 - Tech Stack: React, Node.js, MongoDB, Express.js, REST APIs, Git, VS Code
- CollabConnect – Team Collaboration Platform: Personal Project — 2024
 - Overview: Designed and developed a team collaboration tool facilitating real-time task and project management, adopted by **10+ teams** to streamline workflows. Improved team collaboration and efficiency by **35%**.
 - Key Features:
 - Task delegation, due date tracking, priority labeling, real-time team chat, file-sharing capabilities, role-based access control.
 - Reduced task completion delays by **35%** through effective task management and communication features.
 - Technical Challenges Solved: Implemented comprehensive **role-based access control** and secure API endpoints, improving overall system security by **50%**.
 - Tech Stack: React, Node.js, MongoDB, Express.js, Tailwind CSS, REST APIs, Git, Postman

ACHIEVEMENTS

- LeetCode: Rating: **1684**, Best Rank: **2764**, Solved **250+ algorithmic problems** demonstrating proficiency in data structures and algorithms.
- CodeChef: Rating: **1356**, Global Rank **2385** in "Starters 176" contest, showcasing competitive programming skills.
- Hackathon: Participated in "Can You Hack It" Hackathon (August 2024), collaborating in a team to develop innovative solutions under time constraints.

PROFILES

- LeetCode: leetcode.com/u/3qQDY4J2YE
- CodeChef: codechef.com/users/satyamghosh89