

EDUCATION

- **DR BR Ambedkar National Institute of Technology** Jalandhar, India
• **B.Tech in Computer Science Engineering CGPA: 8.21** Aug 2023 - May 2027
 - **Relevant Courses:** Operating Systems, Data Structures, Algorithms, DBMS, Computer Networks

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, Java, JavaScript, SQL, HTML, CSS
- **Frameworks:** React, Next.js, Express, Tailwind CSS, Node.js
- **Databases:** MongoDB, MySQL, PostgreSQL, GraphQL
- **Tools & Technologies:** Git, Docker, VS Code, Postman, Prisma, REST API, JWT Authentication
- **Technical Abilities:** Debugging complex issues, optimizing database performance, developing scalable web applications

PROJECTS

- **InternTrack – Internship Tracker and Reminder Platform**
• *Tech Stack:* React, Next.js, Node.js, Express.js, MongoDB, Tailwind CSS
 - **Internship Tracking Platform:** Developed a **centralized internship tracking system** that allows users to explore, save, and monitor **100+ internship opportunities** from top companies.
 - **Application Pipeline Management:** Designed an **interactive dashboard** where users can **update and track** their applications across multiple stages (**Applied, Online Assessment, Interview, Offer Received**).
 - **Automated Deadline Reminders:** Implemented a **real-time notification system** using **Node.js cron jobs** to send alerts about approaching deadlines, reducing missed applications by **40%**.
 - **Performance Optimization:** Optimized database operations using **MongoDB indexing** and **Next.js Server-Side Rendering (SSR)**, reducing response time by **50%**.
- **Taskify – Personal Productivity Tracker**
• *Tech Stack:* React, Next.js, Node.js, Express.js, MongoDB, Tailwind CSS
 - **Smart Task Management:** Developed a **task management platform** enabling users to **create, categorize, and prioritize daily tasks**, improving personal productivity.
 - **Time Tracking Analytics:** Integrated a **real-time tracking feature** that records time spent on each task and provides insights into work efficiency.
 - **Automated Reminders Habit Tracking:** Built an **intelligent notification system** to send task reminders based on urgency and user habits, reducing missed tasks by **40%**.
 - **Optimized UI/UX Performance:** Enhanced the UI using **Tailwind CSS** and optimized **Next.js ISR (Incremental Static Regeneration)**, reducing load time by **50%**.
 - **Scalability Database Optimization:** Implemented **MongoDB indexing** and optimized API calls, ensuring efficient handling of **1000+ tasks**.
- **DevTasks – Team Task Management**
• *Tech Stack:* React, Next.js, Node.js, Express.js, MongoDB, Tailwind CSS
 - **Task Collaboration System:** Developed a **team-based task management tool** allowing users to **assign, manage, and track tasks** in a collaborative workspace.
 - **Role-Based Access Control (RBAC):** Implemented a **secure role-based system** where **Admins** assign tasks, while **Team Members** can update progress, ensuring controlled access.
 - **Automated Task Reminders:** Integrated **Node.js cron jobs** to automate **task deadline reminders**, reducing overdue tasks by **30%**.
 - **Performance Enhancements:** Optimized API response time by **45%** using **MongoDB indexing** on critical fields like **due_date** and **assigned_to**.
 - **Optimized User Experience:** Implemented **Next.js Server-Side Rendering (SSR)** to improve performance and ensure seamless navigation across devices.

ACHIEVEMENTS

- **Winner, CodeHunt 2024:** Secured **1st place** in a national coding contest.
- **GDSC CP Core Member:** Selected among **top candidates** for Google DSC.
- **Smart India Hackathon:** Shortlisted **top 45 teams out of 300+** for tech solutions.
- **LeetCode:** **1600+** rating, best rank **4562**, solved **500+** problems.
- **CodeChef:** **2-Star (1400+ rating)**, best rank **1498**.

PROFILES

- **LeetCode:** leetcode.com/u/ShivamGhosh
- **CodeChef:** codechef.com/users/shivamghosh57