

Gurusewak Singh

gurusewaksingh122@gmail.com | +91 9161313270 | github.com/gurusewak-singh | linkedin.com/in/gurusewak122

Summary

Passionate and dedicated Computer Science student with hands-on experience in Full Stack Development using the MERN stack (MongoDB, Express.js, React, Node.js). Proficient in JavaScript, REST APIs, and responsive UI design. Also skilled in Object Oriented Programming and Java-based Data Structures and Algorithms with 50+ problems solved on platforms like LeetCode and GeeksforGeeks.

Education

B.Tech. in Computer Science, Bansal Institute of Engineering and Technology, Lucknow (2022 - 2026)
Intermediate and High School, Aira Bal Vidya Mandir I C Khamaria Pandit (2018 - 2022)

Experience

Mentor, Google Developer Groups (GDG) on Campus, BIET Lucknow (Since 2023)

- Mentored students in DSA, Java, and Web Development.
- Organized workshops and coding sessions to enhance technical skills.
- Assisted peers in solving competitive programming problems.

Projects

Sociogram – Social Media Platform *React (Vite), Node.js, Express, MongoDB, JWT, Socket.io*

- Built a full-stack social media web app with features like user registration, login, posts, likes, and comments.
- Implemented real-time notifications and friend requests using Socket.io.
- Secured user authentication with JWT and bearer tokens using standard authentication flow.
- Designed a responsive frontend using React (Vite) and managed backend REST APIs with Node.js and Express.

Code Fixer – AI-Powered Code Repair Tool *React (Vite), Node.js, Express, MongoDB, multer, path, adm-zip*

- Developed a full-stack web application to automate detection and resolution of code issues in uploaded ZIP projects.
- Implemented file upload and handling using Multer, with ZIP extraction and compression using adm-zip and fs modules.
- Integrated Gemini AI to analyze and fix code errors, leveraging backend services for efficient processing.
- Built a responsive React.js frontend with real-time status tracking and download-ready project output.

Technical Skills

- **Frontend:** React.js, JavaScript, Tailwind CSS, HTML, CSS, Shadcn UI, Responsive Design
- **Backend:** Node.js, Express.js, MongoDB, REST APIs
- **Programming:** Java (Data Structure and Algorithms, Object Oriented Programming, Multithreading, Collections Framework), C (Data Structures), C++(Basic)
- **Algorithms and Problem Solving:** Data Structures, Dynamic Programming, Graphs, LeetCode, CodeChef
- **Databases:** MongoDB, SQL (DBMS, Query Optimization, Normalization)
- **Tools and Platforms:** Git, GitHub, VS Code, Postman API, npm

Certifications

- **Java Web Development with AI Integration**

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Key Skills: Java, Spring Boot, REST APIs, OpenAI/Gemini API, MySQL, React, JWT Auth
- Built RESTful APIs using Spring Boot and integrated GPT-based AI modules

Achievements

- Solved 50+ problems on LeetCode and CodeChef with focus on arrays, graphs, and dynamic programming.
- Participated in coding contests and secured top positions in competitive programming challenges.
- Built 5+ full-stack projects using MERN stack, demonstrating scalability and authentication.

Extracurricular Activities

- Open Source Contributions (Participated in Hacktoberfest, contributed to GitHub repositories)
- Hackathons (Built projects in coding hackathons)
- Technical Blogging (Published articles on Medium about DSA and Algorithmic Problem Solving)
- Technical Quizzes and Workshops