Shivam Verma

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GitHub

Professional Summary

Skilled **Software Engineer** and **Competitive Programmer** with expertise in **algorithm design**, **backend development**, and **full-stack applications**. Achieved **Pupil** rating on Codeforces and **3-star** rating on GeeksforGeeks. Proficient in **C++**, **JavaScript/TypeScript**, **Node.js**, **React**, and **MongoDB**. Demonstrated ability to build scalable applications while solving **1200+ coding problems** across platforms. Passionate about writing optimized, clean code and collaborating in agile environments.

Technical Skills

Programming Languages: C++ (Advanced), JavaScript/TypeScript, Python, Java, C, SQL
Web Development: Node.js, Express.js, React.js, HTML5, CSS3, Tailwind CSS, Bootstrap
Databases: MongoDB, Firebase, Cloud Firestore, MySQL
Tools & Platforms: Git, GitHub, Postman, Docker, Cloudinary, JWT, REST APIs
Competitive Programming: Data Structures, Algorithms, Dynamic Programming, Graph Theory
Soft Skills: Problem Solving, Team Leadership, Agile Development, Technical Communication

Education

B.Tech in Electronics & Communication Engineering   Sept 2022 – May 2026
Indian Institute of Information Technology Kota (IIIT Kota)   (Expected)
- **CGPA:** 8.39/10 (Top 20% of batch)
- **Relevant Coursework:** Data Structures & Algorithms, DBMS, OOPs, Computer Networks, OS

Technical Projects

Cloud-Based Task Manager `[GitHub]`   Dec 2024 – Jan 2025
- Engineered a full-stack task management system supporting real-time collaboration for 50+ users
- Implemented JWT authentication with Node.js backend handling 100+ requests/minute
- Optimized MongoDB queries reducing response time by 40% compared to initial implementation
- Integrated Cloudinary for media storage with compression to reduce bandwidth usage by 30%
- **Stack:** MERN (MongoDB, Express, React, Node.js), Firebase Auth, Cloudinary

Code Execution Platform `[GitHub]`   July 2024 – Oct 2024
- Developed an online IDE supporting 5+ languages with real-time code execution
- Designed rate-limiting API to handle 100+ daily requests while preventing abuse
- Implemented secure user authentication with JWT and role-based access control
- Achieved 95% API uptime during peak usage periods through load testing
- **Stack:** Node.js, Express, React, MongoDB, JWT, Docker

Competitive Programming Achievements

- **Codeforces:** Pupil (Max Rating: 1201) | Solved 111+ problems | Max Global rank 3520
- **GeeksforGeeks:** 3-star coder (Rating: 1759) | Solved 510+ problems
- **LeetCode:** Max Rating: 1816 | 684+ problems solved
- **CodeChef:** 3-star (Max Rating: 1622) | Global rank 295 in Starters 149

Technical Profiles

- **Codeforces:** codeforces.com/profile/coder_thunder
- **GeeksforGeeks:** geeksforgeeks.org/user/shivamve16ur
- **LeetCode:** leetcode.com/u/Thunder1022
- **CodeChef:** codechef.com/users/shivam13579ver