Prateek Agarwal

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Summary

Full-Stack Developer | Problem-Solving Enthusiast | MERN Stack | Competitive Coder

A passionate full-stack developer with expertise in React.js, Node.js, Express.js, and MongoDB, specializing in building scalable, high-performance applications. Strong problem-solving skills, demonstrated by solving 420+ problems on LeetCode and 100+ problems on Codeforces. Experienced in real-time communication systems, authentication mechanisms, and collaborative applications. Seeking to leverage my backend and frontend expertise to create impactful digital solutions.

Technologies/Skills

Languages: C++, JavaScript, C, PHP

Frontend: React.js, HTML, CSS, Bootstrap
Backend: Node.js, Express.js, Socket.io
Databases: MongoDB, MySQL, NoSQL

Tools/Platforms: GitHub, JWT, Docker, REST APIs

Achievements

- Codeforces Solved 100+ problems , 608 rating. [Codeforces Profile]
- LeetCode Solved 420+ problems, Rank – 1,80000. [LeetCode Profile]
- Solved 100+ Problems and achieve 5 star in c++. [HackerRank Profile]

Projects

Code-With-Dude   *Dec - Feb - 2025*
Github Link | Live-Demo

- Enables multiple users to collaborate on code in real-time.
- Built-in voice chat and text chat for seamless teamwork.
- Tools Used: React.js, Node.js, Express.js, MongoDB, Socket.io, JWT

Chat Connect: Real-Time Messaging Platform   *Feb - March - 2023*
Github Link

- Secure authentication and real-time messaging.
- Group private chat with instant notifications.
- Designed a responsive and user-friendly interface
- Tools Used: React, Node.js, Express, Socket.io, MongoDB, CSS, JavaScript, HTML

Hospital Management System   *Jun - Aug - 2024*
Github Link | Live-Demo

- Developed a full-fledged hospital management system enabling efficient patient-doctor interaction.
- Implemented authentication, appointment booking, and dynamic dashboards.
- Tools Used: React.js, Node.js, Express, MongoDB for a scalable backend and interactive frontend.

Training/Courses

Board Infinity   June 2024 – July 2025

- Completed DSA training under Board Infinity, focusing on data structures, algorithms, and problem-solving through practical applications.

Programming Pathshala   Jan 2025 – Feb 2025

- I completed an intensive Competitive Programming training at Programming Pathshala, where I worked on advanced problem-solving techniques, algorithms, and data structures. The training helped me enhance my coding efficiency and logical thinking, preparing me for coding competitions and technical interviews.

Education

Lovely Professional University, BTech in Computer Science   Sept 2022 – Present

- GPA: 7.20/10.0
- **Coursework:** Object Oriented Programming, Data Structures, Analysis Of Algorithms, MERN Full Stack

Certifications

- Introduction to Generative AI from Coursera(Basics of AI & ML in business applications) . [Certificate]
- Ethical Hacking from NPTEL (Security vulnerabilities, penetration testing, and ethical hacking principles) [Certificate]