PRADIP YADAV

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PROFILE SUMMARY

Results-driven B.Tech Information Technology student at IIIT Allahabad with strong problem-solving skills and 1000+ DSA problems solved across LeetCode, GFG, and other platforms. Proficient in full-stack development and scalable systems using JavaScript, Node.js, Express.js, React, and MongoDB. Solid foundation in Data Structures, Algorithms, OOP, System Design, and DBMS, seeking software engineering roles to build and optimize high-performance applications.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, JavaScript (ES6+), SQL
- **Web Development:** React.js, Node.js, Express.js, RESTful APIs, Tailwind CSS, Vite
- **Databases:** MySQL, MongoDB, Mongoose
- **Systems & Concepts:** Operating Systems, OOP, System Design (HLD)
- **Developer Tools:** Git, GitHub, VS Code
- **Problem Solving:** Solved 1000+ DSA and Competitive Programming problems across LeetCode, Codeforces, GFG, and CodeChef

PROJECTS

MediQuik – Full-Stack Medical Appointment Application   GitHub | Live Demo
Tech Stack: React.js, Tailwind CSS, Node.js, Express.js, MongoDB, JWT, REST API, Razorpay/Stripe, Vercel

- Built a **full-stack web application** enabling patients to book appointments, upload prescriptions, and track health records.
- Designed and integrated **secure RESTful APIs** for authentication/authorization using **JWT and middleware validation**.
- Implemented **online payment gateway integration** (Razorpay/Stripe) for instant transactions.
- Developed responsive UI with **React.js, Tailwind CSS, and React Router**, improving patient-doctor engagement.
- Used **MongoDB + Mongoose** for efficient data storage of users, prescriptions, and transactions.
- Deployed frontend on **Vercel** and optimized backend for **scalability and performance**.

ChatApp – Secure Real-Time Messaging Platform   GitHub
Tech Stack: React.js, Express.js, MongoDB, Mongoose, Socket.io, JWT

- Designed a **real-time chat application** supporting 50+ concurrent users with **Socket.io**-powered communication.
- Implemented **end-to-end authentication** and role-based access control using **JWT** to ensure data privacy and session integrity.
- Built a robust backend with **Express.js + MongoDB**, enabling seamless CRUD operations, user state management, and persistent chat storage.
- Developed a responsive frontend using **React.js** with dynamic UI updates, notifications, and modern design for enhanced usability.
- Optimized performance through efficient state synchronization and error handling, ensuring reliability under high user load.

EDUCATION

XII, Vidyadham Science Jr College   2021
Sambhaji Nagar, Maharashtra   95.6%

IIIT Allahabad   Nov 2022 – Present
B.Tech, Information Technology

ACHIEVEMENTS

- Achieved 99.53 percentile in JEE Mains (AIR 4343) and qualified JEE Advanced.
- Secured 98.91 percentile in MHT-CET Examination.
- Pioneered algorithmic thinking by achieving **Expert rank (Peak Rating: 1646)** on Codeforces.
- Attained **Knight (Rating: 1993)** on LeetCode with 900+ problems solved.
- Earned a **4-Star rating (Max: 1817)** on CodeChef.
- Contributed to one of the largest open-source initiatives — OPENCODE, organized by the technical society of IIITA (GEEKHAVEN).

COURSEWORK

- Data Structures and Algorithms
- Object-Oriented Programming
- Database Management Systems
- Operating Systems

POSITION OF RESPONSIBILITY

- Volunteered as a mentor in **Prayaas**, guiding students of 11th and 12th standard in their academic journey.
- Motivated and encouraged students by sharing experiences, offering career insights, and reinforcing a positive learning mindset.