Shashwat Mishra

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Summary

Frontend-focused developer with 1700+ LeetCode rating and production experience optimizing React.js applications (30% faster load times at Tycho Technologies). Built real-time disaster-response platform handling concurrent crowdsourced data. Seeking challenging internship to apply strong DSA expertise and full-stack development skills.

Education

Chandigarh University, B.E. Computer Science and Engineering   Aug 2023 – May 2027
- CGPA: 7.8
- Relevant Coursework: Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks

Experience

Frontend Intern, Tycho Technologies   May 2024 – Jun 2024
- Developed 15+ production-ready React.js and Tailwind components deployed across 3 internal dashboards serving 50+ daily users
- Optimized page load time by 30% using memoization, lazy loading, and streamlined asset delivery
- Refactored 25+ reusable components, reducing duplicate code by 40% and accelerating development speed
- Collaborated cross-functionally with design and backend teams to ship 4 features within sprint deadlines
- Participated in code reviews, identifying and resolving 10+ potential bugs before production deployment

Projects

CrowdAid — React.js, Tailwind, REST APIs   GitHub | Live Demo
- Developed disaster-response platform with real-time incident mapping supporting 5+ incident types
- Designed 20+ scalable components to handle live updates and high-frequency data refresh
- Integrated REST APIs and optimized rendering, reducing mobile latency by about 35%
- Built modular architecture enabling faster feature additions and easier maintenance

Sudoku Solver — Python, Backtracking   Sep 2024 – Oct 2024
- Built recursive backtracking solver capable of solving 100+ puzzles with 100% correctness
- Reduced average solving time from 2s to <0.5s using pruning and constraint propagation
- Structured modular logic with automated tests covering 25+ edge-case boards and added step-by-step solving visualization

Timer PWA — React.js, JavaScript   Aug 2024 – Sep 2024
- Engineered progressive web app with stopwatch and countdown features using high-precision JavaScript timers
- Implemented Wake Lock API and IndexedDB/local storage persistence, maintaining sub-10ms accuracy over 8+ hour sessions
- Reduced unnecessary re-renders by 40% through optimized state management and component restructuring

Skills

Languages: C++, JavaScript, Java, SQL, Python
Development: React.js, Tailwind CSS, HTML/CSS, Node.js, RestAPIs
Databases: MySQL, PostgreSQL, MongoDB
Tools: Git, GitHub, Postman, VS Code, AWS

Achievements

- Led 5-member team selected for Smart India Hackathon (SIH) 2025 National Round
- Solved 600+ DSA problems; achieved 1700+ LeetCode rating (Top 10% globally)
- Organized national-level hackathon with 500+ participants
- Ranked <1% in university-level AMCAT among 4000+ students

Certifications

Algorithms & Data Structures (HackerRank) | Databases (Meta, IBM) | Blockchain Applications (NPTEL)