

SOMIL PACHAURI

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SUMMARY

Computer Science undergraduate skilled in full-stack development (React, Node.js, Flutter) with a strong DSA background (LeetCode 1845). Experienced in building scalable, real-time applications with a focus on backend systems, concurrency, and performance optimization.

EDUCATION

Dev Bhoomi Uttarakhand University , Dehradun	2024 - 2028
Bachelor of Technology (B.Tech), Computer Science & Engineering	CGPA: 8.3/10
Class XII (ISC)	2023 84%
Class X (ICSE)	2021 95%

SKILLS

Languages: C++, Java, JavaScript, Dart

Web & Mobile: React.js, Next.js, Node.js, Flutter, Tailwind CSS, Three.js

Databases & Cloud: Firebase Firestore (NoSQL), Git, GitHub, Vercel

Core CS: Data Structures & Algorithms, Object-Oriented Programming (OOP), DBMS, Operating Systems

Concepts: REST APIs, Concurrency, Scalability, Performance Optimization, Asynchronous Programming, Database Design

PROJECTS

- 3D Universe Portfolio** | *Next.js, Three.js, React, Tailwind CSS* Jan 2026
- Developed an interactive 3D portfolio using WebGL, focusing on the underlying math and optimization of rendering pipelines for dynamic project visualization.
 - Reduced page load time by ~35% using lazy loading and deployed on Vercel with responsive UI and SEO optimization.
- Ping - Real-Time Chat Application** | *Flutter, Firebase Firestore* Feb 2026 - Present
- Built a cross-platform messaging app with real-time synchronization using Firebase Firestore (NoSQL).
 - Designed and integrated REST APIs for real-time data communication, achieving <200ms message delivery latency.
 - Optimized backend queries and UI performance to maintain consistent updates across diverse mobile environments.
- Jeevdhara - Wildlife Conservation Platform** | *Flutter, Dart* Feb 2026
- Led the end-to-end development of a mobile-first platform during a 48-hour hackathon constraint, securing 1st place overall.
 - Designed and deployed a scalable UI architecture using Flutter widgets for rapid and modular deployment.
- OpenDL - Multithreaded Download Manager** | *Java* May 2025
- Designed a concurrent download manager using Java ExecutorService, increasing download speeds by ~40% via multi-threaded chunking.
 - Implemented robust error-handling logic to ensure data integrity and fault tolerance under heavy network loads.

ACHIEVEMENTS & CERTIFICATIONS

- Competitive Programming:** [LeetCode 1845](#) (Top ~5%) and [Codeforces Pupil Rank](#), demonstrating strong DSA and problem-solving skills.
- Hackathon Winner:** Secured 1st place by building and presenting a complete solution under strict time constraints.
- Certifications:** Oracle Certified AI Foundations Associate ; Cisco Certified: Intro to Cybersecurity; Geeks-forGeeks (Next.js, React, Node.js).