Sagar Panwar

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Career Objective

Enthusiastic Computer Science undergraduate with a solid foundation in Java, data structures & algorithms, and software engineering principles. Experienced in developing efficient systems and full-stack applications with a focus on performance and scalability. Seeking a Software Engineer internship where I can apply problem-solving skills, contribute to impactful projects, and grow as a developer while delivering value to the organization.

Projects

Personal Portfolio Website

- Developed and deployed a responsive personal website to showcase technical projects, skills, and contact information.
- Implemented mobile-first design and modular structure for easy updates.
- Live Website
- *Tech Stack*: HTML, CSS, JavaScript

LRU Cache — Memory-aware & Concurrent (Java)

- Implemented a production-style LRU cache in Java with O(1) get and put using HashMap + Doubly Linked List.
- Extended cache to support memory-budgeted eviction and entry-count cap.
- Built a concurrent wrapper with coarse-grained synchronization; documented designs for improved concurrency.
- Added unit tests (JUnit), Maven build, and profiling (VisualVM).
- GitHub Repository
- *Tech Stack*: Java, Maven, JUnit, Git, VisualVM

Technical Skills

- **Languages**: Java, JavaScript, HTML, CSS
- **Frameworks / Libraries**: React.js (basics), Node.js
- **Tools & Platforms**: Git, Maven, JUnit, GitHub, VisualVM
- **Core Competencies**: Data Structures & Algorithms, OOP, Concurrency & Multithreading, Cache Design (LRU, memory-budgeted eviction), JVM Internals & Garbage Collection basics, System Design Fundamentals

Relevant Coursework

- Data Structures & Algorithms
- Database Management Systems (DBMS)
- Operating Systems
- Computer Networks
- Computer Architecture & Systems

Certifications & Training

- **Data Structures & Algorithms** — Slog Solutions Pvt. Ltd. | Jun–Jul 2023
- **Full Stack Web Development** — Simplilearn | Completed Jul 2025

Education

- **Bachelor of Technology in Computer Science & Engineering** — Uttaranchal University, Dehradun | Expected Graduation: 2026 | CGPA: 7.68
- **Senior Secondary (XII), CBSE** — KV ONGC, Dehradun | Completed: 2022 | Percentage: 70.1%