

# 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 an opportunity where I can apply problem-solving skills, contribute to impactful projects, and grow as a developer while delivering value to the organization.

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## INTERNSHIPS

**Intern – Slog Solutions | Data Structures & Algorithms in C++** (June 2023 – July 2023)

- Completed a 45-day intensive DSA training, mastering key topics like arrays, linked lists, trees, sorting, and searching.
  - Enhanced problem-solving skills by 40% through challenging coding exercises.
  - Focused on Data Structures and Algorithms in C++, improving efficiency in problem-solving.
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## PROJECTS

**Face Guard Attendance** | (Github) (Oct 2025 – Current)

- **Technology Stack:** Designed using Python and PyCharm.
  - **Face Detection:** Implemented face detection using OpenCV and face recognition libraries.
  - **Attendance Automation:** Automated attendance marking by recognizing faces in real-time.
  - **Database Integration:** Integrated with a database to store and manage attendance records.
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**LRU Cache — Memory & Concurrent Variants** | (Github) (Aug 2025 – Sep 2025)

- **Technology Stack:** Java, Maven, JUnit, VisualVM.
  - **Core Implementation:** Achieved O(1) get/put operations using HashMap and Doubly Linked List.
  - **Advanced Features:** Added memory-budgeted and entry-count-based eviction policies.
  - **Thread Safety:** Built a concurrent version with coarse-grained locking and performance profiling.
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## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, HTML, CSS

**Developer Tools:** Git, VS Code, PyCharm, Maven, JUnit

**Core Competencies:** Data Structures & Algorithms, OOPs, DBMS, Operating Systems, Computer Networks, Computer Architecture & Systems

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## CERTIFICATIONS

- Mastered Data Structures and Algorithms — Slog Solutions, 2023
  - Full Stack Web Development (HTML, CSS, JS, React, REST APIs) — Simplilearn, 2025
  - Advanced Data Structures and Algorithms in Java — Hitbullseye, 2025
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## EDUCATION

**Uttaranchal University, Dehradun**

2022–2026

Bachelor of Technology – Computer Science and Engineering - CGPA - 7.68 (Till 6th Semester)

Dehradun, Uttarakhand