ANSH UPADHYAY

C++ Developer & DSA Specialist

A driven third-year B. Tech Computer Science student at JIIT Noida (Sector-128) with advanced proficiency in C++ and modern object-oriented design. Deeply versed in data structures and algorithms, having tackled several problems to date. Experienced in architecting efficient solutions—from custom container implementations to small-scale game engines—using agile methodologies and version control. A collaborative problem-solver passionate about applying best practices in C++ to build high-performance software and continuously mastering new technologies.

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in https://www.linkedin.com/in/ansh-upadhyay-312b3632a/

EDUCATION

Bachelor of Technology in Computer science

Jaypee Institute of Information Technology

Noida, India
CGPA: 8.1/10

KEY SKILLS

- C++
- HTML
- CSS
- SQL
- JavaScript

ADDITIONAL SKILLS

- Algorithm & data-structure optimization
- Rapid adoption of new frameworks & clear technical documentation
- UX/UI design

REAL LIFE PROJECTS

Gym Management system   JULY 2025– JULY 2025

- Developed a **C++** console application with an **AVL-tree–based** member database and file-backed persistence
- **Automated membership**-expiration updates and renewal via time_t conversions and status toggling
- Integrated payment processing with **linked-list** storage and real-time date arithmetic
- **GitHub Repository:** https://github.com/1Ansh1/C---projects-repo

File Compression/Decompression system   FEB 2025 – FEB 2025

- Built a C++ CLI utility supporting both **Huffman and Shannon–Fano** encoding for text-based files.
- Handled **bit-level buffering** and header serialization to produce compact binary output.
- Calculated and displayed original/compressed file sizes and compression ratios for user feedback.
- **GitHub Repository:** https://github.com/1Ansh1/C---projects-repo

ACHIEVEMENTS

- Scored **94.33%** in 12th Standard (CBSE Board).
- Solved **94** LeetCode problems with a **55% acceptance rate**, reinforcing strong **DSA** foundations.