Aditya

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GitHub | LinkedIn | LeetCode

Professional Summary

- Final-year Computer Science undergraduate with strong problem-solving skills and hands-on experience building scalable backend systems and full-stack applications. Proficient in C++ and JavaScript, with solid foundations in data structures, operating systems, DBMS, and computer networks. Actively seeking SDE New Grad / Entry-Level roles to build reliable, high-performance software at scale.

Education

- **Chandigarh University** — Mohali, Punjab
  Bachelor of Engineering in Computer Science — *Aug 2022 – Aug 2026*
  - Relevant Coursework: Data Structures and Algorithms, Operating Systems, DBMS, Computer Networks, OOPS, Web Development.
  - Solved **750+ data structures and algorithms problems** across platforms, covering arrays, trees, graphs, hashing, binary search, and dynamic programming.

Technical Skills

- **Programming Languages**: C++, JavaScript, Python, C
  Core CS: Data Structures and Algorithms, Operating Systems, DBMS, Computer Networks, OOPS
  Backend & Web: Node.js, Express.js, REST APIs, MySQL, Firebase
  Frontend & Mobile: React, Flutter, HTML, CSS
  Developer Tools: Git, GitHub, Linux, VS Code, IntelliJ IDEA, Android Studio

Projects

- **Proxy Web Server in C** | GitHub | *C, POSIX Threads, Computer Networks* — Dec 2025
  - Built a high-performance multi-threaded proxy server in C using POSIX threads and mutex locks to safely handle concurrent client connections.
  - Designed and implemented an LRU caching mechanism, achieving a 75% cache hit rate and reducing average response latency by 35%.

- **FareFinder − Smart Fare Comparison App** | GitHub | *Flutter, Node.js, REST APIs* — Jul 2025
  - Developed a scalable backend using Node.js and Express.js to aggregate and serve real-time cab and bike fare data via RESTful APIs.
  - Integrated third-party APIs and optimized request handling to ensure low-latency responses for mobile clients.

- **Cosmic - Solar System Explorer App** | GitHub | *Flutter, Firebase* — Jan 2026
  - Developed a cross-platform mobile application using Flutter to explore the solar system with an immersive, educational user experience
  - Engineered a full-stack mobile application with 8+ core features including authentication, favorites, profiles, and daily planet highlights

Experience

- **GirlScript Summer of Code (GSSoC)** — Open Source
  Open Source Contributor — *May 2024 – Aug 2024*
  - Improved stability and performance of a Flutter-based mobile application by fixing bugs in state management and navigation modules.
  - Participated in code reviews and debugging across multiple repositories to enhance application reliability.

- **Metacrafters** — Remote
  Summer Trainee — *Apr 2024 – Jul 2024*
  - Designed and optimized smart contracts in Solidity with a focus on correctness, security, and gas efficiency.
  - Used Web3 debugging tools to ensure transactional accuracy and cost-effective deployment.
  - Awarded a **$175 merit-based scholarship** for strong technical performance.