

Aditya

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GitHub | LinkedIn | LeetCode

Education

- **Chandigarh University** Mohali, Punjab
Bachelor of Engineering in Computer Science Aug. 2022 – Present
 - Relevant Coursework: Data Structures and Algorithms (DSA), DBMS, Operating Systems, Web Development, Object Oriented Programming (OOPS).

Technical Skills

- **Languages:** C++, JavaScript, Python, Solidity, Dart, C, Kotlin
- **Frameworks/Technologies:** Node.js, Express.js, React, Flutter, Firebase, MySQL, HTML/CSS
- **Developer Tools:** Git, GitHub, VS Code, Android Studio, Remix IDE, IntelliJ IDEA

Experience

- **GirlScript Summer of Code (GSSoC)** Open Source
Open Source Contributor May 2024 – Aug 2024
 - Spearheaded feature implementation and resolved bugs in a Flutter-based mobile application, resulting in a **20%** increase in app stability.
 - Optimized application security protocols by performing rigorous code reviews and debugging sessions across multiple modules.
- **Metacrafters** Remote
Summer Trainee April 2024 – July 2024
 - Engineered decentralized smart contracts using **Solidity and Ethereum**, increasing transaction efficiency by **30%**.
 - Integrated Web 3.0 debugging tools and applied gas optimization techniques to reduce deployment costs.
 - Awarded a **\$175 merit scholarship** for technical excellence and high-impact delivery of blockchain project milestones.

Projects

- **Proxy Web Server in C** | GitHub | *C, Network Programming, Mutexes* Dec 2025
 - Developed a multi-threaded proxy server in C utilizing **POSIX threads and Mutex locks** to handle high-concurrency client requests.
 - Implemented an LRU caching mechanism in C for the proxy server, achieving a 75% cache hit rate and reducing average latency for repeated URL requests by 35%, improving speed.
- **FareFinder - Smart Comparison App** | GitHub | *Flutter, Node.js, Google Places API* July 2025
 - Built a cross-platform mobile application using **Flutter and Dart** to compare real-time cab and bike fares across different service providers.
 - Implemented a **RESTful API** backend with Node.js and Express to process location data and return structured fare responses via JSON.
- **ShopEase (E-commerce Mobile App)** | GitHub | *Flutter, Firebase, Dart* Dec 2024
 - Designed a high-performance e-commerce UI featuring category filtering, persistent shopping carts, and simulated secure payment flows.
 - Integrated **Firebase Authentication** and Firestore for real-time synchronization of user profiles and order history.

Achievements & Certifications

- Earned **Second Prize** in the Department-level Coding Competition (Triathlon).
- Certified in **Mastering Data Structures and Algorithms in C and C++** (Udemy).
- Completed Postman API Fundamentals and Introduction to Databases (Coursera).