

Aditya

Chandigarh, India

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EDUCATION

Chandigarh University

Bachelor of Science in Computer Science Engineering,

August 2022 – Present

Mohali, Punjab

EXPERIENCE

Summer Trainee

April 2024 – July 2024

Metacrafters

- Developed smart contracts using Solidity and Ethereum, optimizing blockchain application performance by **30%**
- Streamlined Web 3.0 development processes through deep technical exploration of smart contracts, debugging tools, and gas optimization.
- Earned **\$175** merit scholarship by delivering high-impact project results and demonstrating strong technical commitment.

Open Source Contributor

May 2024 – August 2024

GirlScript Summer of Code (GSSOC)

- Contributed to a Flutter-based application by implementing new features and resolving **15+ bugs**, improving app performance by **20%**.
- Optimized app security measures by conducting thorough code reviews and debugging sessions.

PROJECTS

FareFinder – Smart Cab & Bike Fare Comparison App | Flutter, Dart, Node.js, Express.js

July 2025

- Built a mobile app using **Flutter & Dart** that lets users compare cab and bike ride fares from different services.
- Developed a simple backend with **Node.js + Express.js** to handle fare requests and return structured responses.
- Used **Google Places API** to add location autocomplete for pickup and destination.
- Handled external API calls using **async/await** and returned clean JSON data to the app.
- Organized backend code into basic modules (routes, controllers, services) for easier updates and maintenance.

Proxy Web Server in C | C, Mutexes, Locks, Network programming

December 2025

- Designed robust networking layer: hostname resolution, socket reuse, send/recv timeouts, error handling, and clean resource teardown across worker threads.
- Implemented an in-memory response cache (URL-keyed, mutex-protected) to reduce latency and improve throughput under high concurrency. protected, LRU-style eviction) with configurable limits for entries, buffer sizes, and timeouts to optimize latency and bandwidth.
- Implemented in-memory response cache (URL-keyed, mutex-protected, LRU-style eviction) with configurable limits for entries, buffer sizes, and timeouts to optimize latency and bandwidth.

ShopEase (E-commerce Mobile App) | Flutter, Dart, Firebase

December 2024

- Developed a high-performance cross-platform e-commerce app enabling product browsing, cart management, and secure transactions.
- Integrated Firebase Authentication for secure sign-in/sign-up and Firestore for real-time product and order data management.
- Enhanced user experience with category filtering, simulated payment flows, and persistent carts using modular UI components.

TECHNICAL SKILLS

Languages: JavaScript, C++, Python, Kotlin, Solidity, Dart, C

Developer Tools: VS Code, Git, Github, Android Studio, Remix IDE, IntelliJ IDEA

Technologies/Frameworks: Node JS, Express JS, MYSQL, HTML, CSS, Flutter