

HARSHIT SINGH

Computer Science and Engineering Undergraduate

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Objective

Detail-oriented fresher with strong knowledge of Flutter UI development and Spring Boot backend architecture. Looking to join a dynamic team where I can contribute to mobile app features, backend APIs, and performance improvements while advancing my professional skills.

Education

The Pillars Public School,Gorakhpur

April 2021-March 2023

Intermediate from CBSE

Pranveer Singh Institute of Technology, Kanpur

October 2023-Present

Bachelor of Computer Science and Engineering

CGPA: 8.17

Skills

- **Technical Skills** – Java,Dart,Python,Rust,SQL
- **Frameworks** – SpringBoot,Flutter,Solana,FastApi
- **Developer Tools** – VS Code,PostMan,Android Studio, IntelliJ IDEA,Git & GitHub
- **Core Subjects** – Data Structures & Algorithm ,OOPS,DBMS
- **Technologies**-WebSocket

Projects

LStats | Flutter · Spring Boot · FastAPI · GraphQL · WebSockets · MySql

I designed a Flutter app that displays comprehensive LeetCode analytics: solved questions, heatmap activity, streaks, badges, and global ranking. The app features a Corporate Maximalist UI made with Flutter, featuring bold grids, thick borders, and data-dense layouts. It is organized in a clean MVC architecture for modular and scalable development. A dedicated FastAPI microservice consumes the LeetCode GraphQL API to fetch profile data, activity heatmaps, and ranking information, while the Spring Boot back-end manages authentication, user data, friends, groups, leaderboards, and notifications. The back-end uses MySQL as the database to store users, relationships, groups, and activity records, supported by a Concurrent HashMap caching layer that stores leaderboard rankings. It is scheduled to refresh every hour to maintain performance and minimize redundant fetches. The platform has full real-time WebSocket features, including Global Chat, Group Chat, Instant Notifications, and Real-time Friend Updates. The system follows a modular multi-service architecture with Flutter as the UI layer, Spring Boot as the core backend, and FastAPI as a microservice layer responsible for fetching Leetcode details.