

# 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.

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### 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

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### 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
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### 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.