

Fateh Inder Singh

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Github | Linkedin

Professional Summary

Final-year B.Tech Computer Science student specializing in Flutter and Dart for building scalable, cross-platform mobile applications. Hands-on experience with real-world Flutter projects involving maps, API integration, state management, and clean architecture. Actively building a live railway tracking application inspired by global transport radar systems. Seeking a Flutter Developer Internship to contribute to production-grade applications and learn professional development workflows.

Education

Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering

Expected August 2026

Bhopal, India

The Punjab Public School

Senior Secondary (PCM)

2022

Nabha, India

Technical Skills

Frameworks/Libraries: Flutter, Android SDK, Material Design, Cupertino Widgets

Languages: Dart, Java, Kotlin, XML

Tools & Technologies: Git, Firebase, Android Studio, REST APIs

Experience

PLYPICKER

Remote

Data Entry Intern

September 2022 – February 2023

- Streamlined data verification workflows, increasing department-wide productivity by 10%.
- Optimized input techniques, enhancing overall data processing efficiency by 15%.
- Identified and resolved 50+ record inconsistencies to maintain database integrity.

Projects

Rail Radar – Live Train Tracking Mobile Application (Personal Project, In Progress)

Tech Stack: Flutter, Dart, OpenStreetMap (OSM), REST APIs (Planned), Git

- Developing a Flutter-based mobile application to visualize real-time train movement on an interactive map using OpenStreetMap (OSM).
- Implementing dynamic map markers, train routes, and station overlays to simulate live railway tracking and enhance spatial data visualization.
- Designing the application with a clean, modular architecture to keep UI, state management, and data layers decoupled for future scalability.
- Simulating real-time data flow using structured mock datasets, with a planned transition to REST API integration for live backend data.
- Exploring Flutter state management approaches (Provider / Riverpod) while focusing on performance optimization, smooth animations, and responsive UI/UX.

Cross-Platform Time Tracking App

Tech Stack: Flutter, Dart, Provider, Flutter SDK

- Developed a production-ready application for Android, iOS, and Web from a single Dart codebase.
- Implemented task-based time logging and state management to help users monitor productivity.
- Built a responsive UI utilizing Flutter's flexible layout system to ensure visual consistency across mobile and desktop viewports.
- Structured the app using modular architecture to separate business logic from UI components.

Certifications & Additional Info

- **Certification:** Flutter and Dart: Developing iOS, Android, and Mobile Apps (Coursera)

- **Certification:** Google: The Bits and Bytes of Computer Networking (Coursera)

- **Languages:** English (Fluent), Punjabi (Fluent), Hindi (Conversational)