

# KANHAIYA KUMAR

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## SKILLS

Languages & Tools:	Kotlin, Java, SQL, C++, Git, Android Studio
Android Frameworks & Tools:	Jetpack Compose, Firebase (Auth, Firestore, Realtime DB), Room, MVVM, Dagger, Hilt, Retrofit, WorkManager, Coroutines, GeoFire, RESTful APIs
CS Fundamentals:	Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Networking, APIs, Services

## EXPERIENCE

**RN Inspire Services Private Limited** [\[Link\]](#) Dec 2024 - Mar 2025  
*Android Developer Intern* Ahmadabad, India

- Implemented geofencing with WorkManager and Fused Location Provider, improving **location accuracy by 15%** and reduced **battery drain by 20%**. Validated performance during beta testing with **100+ users**.
- Engineered Clean Architecture (Dagger Hilt + Coroutines), reducing overall **code complexity by around 12%** and improving test coverage and debugging efficiency by **25%**.
- Integrated Firebase and REST APIs, **achieving 94% data sync success rate** and reducing crashes by **30%**.

**Wond Mobility** [\[Link\]](#) Jun 2024 - Aug 2024  
*Android Developer Intern* Bhopal, India

- Developed real-time location tracking with **GeoFire, Directions API & Google Maps SDK**, achieving **95% accuracy** in route visualization.
- Optimized **Firebase Authentication & MVVM**, improving login speed by **20%** and scalability by **30%**.
- Collaborated with cross-functional teams to redesign UX/UI, boosting user engagement by **15%**.

## PROJECTS

**Findr: Skill-Based Collaboration Platform** May 2024 - Jun 2024  
*Tools: Jetpack compose, Google map SDK, GeoFire, Retrofit, Room, FCM, Stream API* [\[Live\]](#)

- Built a **location-based collaboration platform** for tech students/professionals, enabling users to search for skilled individuals nearby or in other cities through efficient filters, reducing **search time by 40%** over traditional methods.
- Deployed on Google Play Store** with **490 downloads**; optimized performance using **Geofencing, Stream API, and Clean Architecture**.
- Integrated Firebase to support **user-generated posts** (collaboration requests, bug fixes, tech discussions) with advanced filtering, achieving **50+ active listings**.
- Implemented **in-app chat with multimedia support** and **offline caching** (Room) and **push notifications** (FCM), driving **180+ repeat users** and high retention.

**Air Visual: AQI Monitoring System** Dec 2024  
*Tools: Jetpack Compose, Firebase, Socket.io, Google Maps SDK, Geofencing, Markdown Parser* [\[Live\]](#) [\[Code\]](#)

- Developed a real-time AQI monitoring system using **Socket.IO** and **Google Maps SDK** to visualize pollution levels across **300+ simulated sensors** with geofencing for location-based alerts.
- Designed an **LSTM model (94% accuracy)** to predict next-day AQI trends, enabling health advisories.
- Added **Markdown support** (30% faster reports) for air quality analysis and **role-based dashboards**: Users track AQI trends, support staff resolve sensor alerts, admins manage 20+ city networks.

## EDUCATION

**Lakshmi Narain College of Technology & Science** Expected Jul 2026  
*Bachelor of Technology - Computer Science and Engineering (AIML)* GPA: 8.35/10.00

## ACHIEVEMENTS

- Smart India Hackathon 2024 Grand Finalist** — Ranked in the **Top 5 out of 500+** teams nationwide in the software edition.
- Ranked 897th / 30797** in a LeetCode coding contest with a peak rating of **1840+**.
- Solved over **700 DSA problems** in C++, significantly improving problem-solving skills.