

DARPAN KHATRI

 +91-9573062061 darpankhatri2004@gmail.com [LinkedIn](#) [Github](#) [LeetCode](#) [Codeforces](#)

Education

ABV-Indian Institute of Information Technology, Gwalior

Nov 2022 – Jul 2026

Bachelors of Technology in Information Technology

CGPA: 7.27/10.0

Experience

SaraITech

May 2025 – Jul 2025

Android Development Intern

Bangalore, India; Remote

- Delivered **15+** feature-rich Flutter UIs for high-traffic apps, improving user engagement scores by **25%** by simplifying complex navigation and enhancing interactivity.
- Engineered fluid animations and transitions that boosted user retention by **15%** across key application modules, creating a polished and intuitive user experience.
- Led the end-to-end integration of **30+** RESTful APIs for critical services, including payment gateways and user authentication, reducing data synchronization errors by **40%**.
- Identified and resolved over **20 critical UI bugs** and edge-case rendering issues, increasing application stability by **50%** and reducing user-reported tickets.
- Spearheaded UI performance optimization by refactoring **5000+** lines of code and implementing efficient state management, achieving a **30%** reduction in screen load times.

Projects

CrimeNet - Community Crime Collaboration | *Spring Boot, Flutter, JWT Auth, PostgreSQL, Web Sockets*

Jun 2025

- Architected a full-stack crime-solving platform allowing NGOs and organizations to publish unsolved cases and enabling a network of **100+ verified** citizen users to collaboratively investigate and contribute.
- Designed a badge-based contribution system across **50+ cases** to recognize high-impact inputs and encourage consistent community participation.
- Built a secure investigator hiring module with **RBAC**, featuring a contributor rating system that processed **50+ case histories** to ensure trust and transparency.
- Implemented secure, real-time chat rooms using Web Sockets, supporting over **50 concurrent users** per case and ensuring sub-200ms message delivery latency.
- Developed a high-availability backend infrastructure with Spring Boot and PostgreSQL, securing **50+ endpoints** with JWT to handle **1000+ API calls** per minute with zero downtime.

PeerLink - Secure Peer Sharing | *Java, Socket Programming, Docker, Maven*

May 2025

- Engineered a high-performance P2P file sharing backend in Java, supporting up to **10 simultaneous** secure sessions via invite-code authentication and multithreaded architecture.
- Designed a decoupled, multi-layered system that managed socket communication and file transfers up to **1GB**, optimizing data chunking to improve transfer speeds by **25%**.
- Containerized the service using Docker and exposed **12 lightweight REST-like endpoints**, reducing deployment time by **60%** and simplifying frontend integration.

MapIt - Location Based Reminder App | *Flutter, Android, Firebase, Node.js, MongoDB*

Nov 2024

- Developed a full-stack, location-aware reminder app that can handle **1,000+ daily active users**, processing geotagged notes and notifications via native geofencing APIs.
- Integrated Google Maps API to deliver an interactive interface supporting precise location tagging, reverse geocoding, and address search with a **99% accuracy** rate.
- Constructed a robust server-side application with Node.js and Express.js, leveraging Firebase Authentication for security and MongoDB for real-time data sync across **10,000+ records**.

Achievements & Positions of Responsibility

- Achieved **Knight** rating (**1880+**) on LeetCode, consistently ranking in the **Top 4%** globally among **300,000+** active competitive programmers.
- Awarded **2nd Place** out of **20+ teams** in the 'Winter Projects' competition for innovative design, hosted by the Abhigyan Abhikaushalam Students Forum.
- Secured **Top 1500** global rankings in **3** LeetCode contests, each with over **25,000** international participants.
- Solved over **900+** complex Data Structures and Algorithms problems on platforms including LeetCode, Codeforces, and GeeksforGeeks.
- Mentored **50+ students** in Backend and App Development, leading **10+ hands-on workshops** and increasing mentee project completion rates by **35%**.

Technical Skills

Languages: Java, Dart, JavaScript, Python, C

Frameworks: Spring Boot, Flutter, Node.js, Express.js

Databases: PostgreSQL, MongoDB, SQL, Cloud Firestore

Tools & Platforms: Firebase, Docker, REST APIs, Git, AWS

Other: Agile Development, Data Structures Algorithms, Backend Performance Optimization