

Mohit Bansal

📍 Punjab, India ✉ workmohit17@gmail.com ☎ +91 7973356823 in workmohit17 🌐 WorkMohit17

Summary

Passionate software engineer building scalable mobile and backend solutions with a sharp focus on performance, problem-solving, and real-world impact.

Rankings and Achievements

- [LEETCODE](#) - solved **300+** problems, **Rank 12** in CODEVERSE, Max Rating of 1529 in weekly contest
- [GFG](#) - solved **100+** problems, strengthening core concepts in DSA.
- **Global Rank 3331** among 15,594 participants in Codeforces Round 1021 (Div. 2)
- **Hackthon Wins** - Winner of AndroFest with the [Frenz app](#) organized by GDSC

Experience

- Backend Engineer Intern**, Saguna Consulting Services LLC – Ludhiana, Punjab Aug 2024 – Nov 2024
- Built a scalable backend for DataHub using Node.js and Express.js, developing 15+ optimized RESTful APIs for fast company data retrieval, full-text search, and secure user authentication via Auth0.
 - Designed a high-performance MongoDB architecture, reducing query response time by 40% and improving system reliability across 10K+ records.

Projects

- Familia** [familia-backend-api](#)
- Designed and developed Familia, an AI-powered orphan adoption platform that uses Google's Gemini API for intelligent parent-child matchmaking with geospatial filtering.
 - Built a scalable backend with Firebase Firestore for secure real-time data sync, integrated with Android (Java), Node.js, Express.js, and AI/ML modules; achieved 85% matchmaking accuracy in internal testing.

- StreamX** [StreamX](#)
- Developed a real-time chat application supporting 100+ concurrent users with seamless channel-based messaging via WebSockets and Socket.io.
 - Engineered a scalable backend using Node.js, Express.js, and MongoDB, achieving sub-100ms message delivery latency and secure user sessions with Passport.js.

- Frenz** [frenz](#)
- Built Frenz, a Gen Z-focused social media app, enabling users to post text, images, videos, and engage in study-centric community discussions.
 - Integrated real-time chat, test modules, and custom room creation using Android (Java) and Firebase stack, ensuring smooth UX with <200ms feed load time.

Skills

Programming Languages - C++, Java, JavaScript
Tools and Technologies - Android Native, Node.js, Express.js, Google Gemini API, GraphQL, Docker, WebSockets
Databases - Firebase, MySQL, MongoDB, PostgreSQL
Areas of Interest - Data Structures & Algorithm, Native Android Development, Backend Engineering

Education

DR BR Ambedkar National Institute of Technology, Jalandhar July 2023 – May 2027
Btech in Instrumentation and Control Engineering