

Hrithik Ranjan

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Education

- **Indian Institute of Information Technology, Jabalpur** 2021-2025
Bachelor of Technology, Computer Science Engineering CGPA : 8.4

Work Experience

- **LetsTransport**
Software Development Engineer 1 07/2025 - Present
 - Horizontally scaled application backend, preventing Redis/Database floods and enabling scale from 1 → many pods.
 - Built payment system replacing NEFT/RTGS, enabling real-time client payments with 98%+ success rate.
 - Improved platform scalability via dynamic config for multi-region operations, driving 4x operational growth.
- **Lava International Ltd.**
SDE Intern (Application Development) 12/2024 - 06/2025
 - Developed Android app interfaces using Java/Kotlin & XML, enhancing UI responsiveness and performance.
 - Implemented local & cloud data storage with real-time sync using Firebase & SQLite, improving data reliability.
 - Integrated Bluetooth-based communication for TWS devices, enabling low-latency, real-time device interaction.
 - Applied SDLC principles throughout the development cycle—requirement analysis, implementation, testing, & release.
- **VivahSahyog**
Backend Development Intern 10/2023 - 12/2023
 - Designed & implemented a scalable DB architecture (20+ tables) using MySQL, ensuring efficient data management.
 - Developed and optimized RESTful APIs for 5+ core features, enhancing system reliability & scalability.

Skills

- **Programming & Development:** C++, Java, Go, Kotlin, Python, PHP, JavaScript, SQL, Express.js, REST APIs
- **Android & Web Technologies:** Android Development (Java, Kotlin, XML), PostgreSQL, MySQL, HTML, CSS
- **CS Fundamentals:** Data Structures, Algorithms, DBMS, Operating Systems, OOPs, SDLC, Agile Methodologies
- **Problem Solving:** Strong analytical skills with experience in **competitive programming** on **code360** and **Leetcode**.
- **Tools & Soft Skills:** Git, GitHub, Leadership, Team Collaboration, Effective Communication, Active Listening

Projects

- **WaveSync - Hearables management Android application**
 - Tools & technologies used: **Android Studio, Java, XML, Firebase**
 - A **TWS Control App with 10+ features** like device pairing, battery display, custom equalizers, noise control etc.
 - **Customizable earbud controls with 5+ gesture functions** for playback, calls, and noise cancellation.
 - A **SDK-ready architecture**, allowing seamless integration for full TWS functionality.

Awards & Achievements

- **EXCALIBUR 23' Finalist – a hackathon organized in annual techfest of NIT Kurukshetra** 01/2023
 - Finalist at EXCALIBUR 2023, secured 3rd place among 250+ teams & received a special mention for the project

Position Of Responsibility

- **Project Lead & Documentation Head - Fusion (ERP Software), IIIT Jabalpur** 2024-25
 - Led stakeholder communication, aligned functional & non-functional requirements into optimized use cases.
 - Collaborated with database teams to restructure 400+ tables, reducing redundancy & improving system performance.
 - Developed automation algorithms for course registration and a transcript generation system, increasing efficiency.
- **Coordinator – (Counseling Services, IIIT Jabalpur)** 2024-25
 - Coordinated the functioning of counseling committee & managed a team of 20 Asst. Coordinators and 40 guides.

Certifications

- **Oracle Cloud Infrastructure 2025 Certified Foundations Associate - Link** 09/2025