

# RAJAT GALAR

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Passionate and highly skilled Android Developer with 3 years of experience gained through internships and self-driven projects. Proven ability to build effective Android applications.

## EXPERIENCE

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### IT BIRDS, INDORE — ANDROID DEVELOPER

Feb 2023 - Aug 2023

- Independently developed an Android app for invoice and inventory management, integrating **ledger management** and **purchase tracking**.
- Implemented **MVVM architecture** with **Firebase** and **Hilt** to enhance modularity and app performance.
- Improved data processing efficiency by 30% through optimization of backend services.

### KELKAR KUL SAMVARDHAN TRUST, KOLHAPUR— INTERN

May 2022 - Oct 2022

- Developed and maintained Android modules, managing large datasets with **CRUD operations**.
- Integrated **ExoPlayer** for YouTube streaming and **JSON-based data fetching**, resulting in a 20% increase in app engagement.
- Enhanced the app's scalability by optimizing database queries and caching.

### SIYATECH VENTURES, INDORE — JR. ANDROID DEVELOPER INTERN

Jan 2020 - Mar 2020

- Worked on a live project with integrations like **Google Maps API**, **Firebase**, and **social login functionalities**.
- Improved app performance by addressing bugs & adding new functionalities, leading to a smoother user experience.

### DRMZ SYSTEM INNOVATIONS PVT. LTD, BHOPAL— JAVA INTERN

Nov 2018 – Jan 2019

- Contributed to Java-based client-server management systems with some exposure to Android development.

## KEY PROJECTS

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### NIELIT O LEVEL APP - [link](#)

Educational app providing notes in English and Hindi, with **21,000+ downloads** and a **4.2+ rating**.

- Utilized **Room Database** for efficient offline storage.
- Developed in **Java + XML**, ensuring a seamless and accessible experience for users.

### IGNOU SOLUTION (In Development)

A student-focused app providing IGNOU students with essential tools like grade card results, term-end results, assignment status, and grade analytics in charts.

- Built with **Jetpack Compose**, **Koin** (DI), **Ktor** (Networking), **Jsoup** (Web Scraping), and JSON Parsing.
- Implements modern UI/UX using Compose for smooth and reactive interfaces.
- Fetches real-time student data using Ktor for API handling and Jsoup for web scraping.
- Features interactive charts for result analysis, helping students track academic performance easily.

### BROKERAGE CALCULATOR: UPSTOX ZERODHA - [link](#)

Fast, **Kotlin-based** app for calculating trading charges, with **instant calculations** and a single-screen design.

- Integrated automatic charge calculations for **5 major brokers**.
- Garnered **18,000 downloads** and a **4.2+ rating** on Google Play.

## CHOTU - THE INVENTORY MASTER - [link](#)

Invoice and ledger management app featuring comprehensive inventory tracking.

- Designed with **MVVM Clean Architecture** using **Kotlin**.
- Features OTP authentication, Firebase integration, and Room Database.
- Provides **interactive charts and visual analytics** to efficiently track and analyze expenses.

## PET PANION APP

A pet management app integrating APIs and improving user performance

- Implemented **SQLite** for offline data storage and **Google/Facebook login** for secure authentication.
- Addressed bugs and optimized app performance using **Java** and **MVC architecture**.

## KITES

Family hierarchy management app with CRUD operations and JSON-based data fetching.

- Integrated an inbuilt **PDF viewer** and **ExoPlayer** for video streaming.
- Built with **Java + MVC Architecture**, ensuring optimal data management.

## TECHNICAL SKILLS

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- **Programming Languages:** Kotlin, Java, C, C++
- **Android Development:** Android SDK, Jetpack Compose, Room Database, SQLite, Firebase, ExoPlayer
- **Architectures:** MVVM, MVC, Clean Architecture, Hilt Dagger, Koin (DI)
- **Tools:** Android Studio, View Binding, Data Binding, Git/GitHub, Postman (API Testing), Genymotion (Android Emulator)
- **Networking:** API Integration, JSON Parsing, Third-Party APIs, Retrofit, Ktor, Jsoup
- **Concurrency:** Kotlin Coroutines, Flows, Structured Concurrency
- **Authentication:** Google/Facebook Login, OTP
- **UI/UX:** Xml, Jetpack Compose

## EDUCATION

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### MASTERS IN COMPUTER APPLICATIONS (Pursuing)

Indira Gandhi National Open University – BHOPAL, 2023

### BACHELORS IN COMPUTER APPLICATIONS

Indira Gandhi National Open University – JABALPUR, 2018-2022

### SENIOR SECONDARY SCHOOL

Vardhaman Public School – ITARSI, 2015-2016

## CERTIFICATIONS

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- **Android Development Certificate** — Universal Informatics, Indore (2019)
- **Java Core and Advanced Certificate** — DRMZ System Innovations, Bhopal (2018)
- **NIELIT O Level Certificate** — IRTC, Indore (2017)