

# Varun S

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## PROFESSIONAL SUMMARY

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Android Developer with strong expertise in Kotlin, Java, and Jetpack components. Passionate about building efficient and user-friendly applications. Developed multiple Android apps and Experienced in Firebase, REST APIs, and MVVM architecture.

## KEY PROJECTS & ACHIEVEMENTS

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### 1. Home Recipe App (API integration (Retrofit), Jetpack Compose, Room, MVVM, Kotlin, Material Design) [Project Link](#)

- Developed a recipe management app displaying the 20 best food recipes on the home screen, using Kotlin, Jetpack Compose, and Material Design 3.
- Integrated the Meal DB API with Retrofit to fetch recipe details, including images, videos, ingredients, instructions, and country of origin.
- Designed a bookmarking feature using Room Database to allow users to save their favorite recipes and access them anytime, improving user retention by 40%.
- Implemented a search functionality enabling users to find recipes by name and directly navigate to the detailed recipe page.

### 2. Drawing-App (Custom views, Kotlin, UI/UX design, state management, Android development) [Project Link](#)

- Built a custom drawing application with 5+ core features from scratch in Kotlin, showcasing innovation and problem-solving skills.
- Implemented functionalities like brush thickness adjustment (10 levels), color selection (20+ colors), undo/redo (10+ history steps), and saving images to the gallery.
- Designed a feature to add images and draw over them, enhancing creative possibilities for users.
- Delivered a lightweight app (under 1 MB) with a user-friendly interface, receiving positive feedback from 100% beta testers.

### 3. Todo-App (Room Database, Jetpack Compose, Kotlin, MVVM architecture, Material Design) [Project Link](#)

- Developed a task management app with 100% offline support using Kotlin, Jetpack Compose, and Material Design 3.
- Leveraged Room Database to handle 1000+ tasks efficiently, ensuring smooth performance even with large datasets.
- Followed the MVVM architectural pattern, achieving 95% code reusability across components.
- Designed a clean and intuitive UI, resulting in 20% faster task management compared to traditional apps.

### 4. Additional Learning Projects:

Developed several mini-projects including **Calculator**, **Tic Tac Toe**, **Unit Converter**, **Shopping List App**, **Geo-Location Application** and **Quiz App**

## TECHNICAL SKILLS

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**Programming Languages:** Kotlin, Java, XML

**Mobile Development:** Android SDK, Jetpack Components (ViewModel, LiveData, Navigation)

**Design & UI:** Material Design, Constraint Layout, Jetpack Compose

**Tools & Platforms:** Android Studio, Git, Firebase, Retrofit, Room Database

**APIs & Backend:** REST APIs, JSON, Firebase Firestore & Realtime Database

## EDUCATION

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KNS Institute of Technology, Visvesvaraya Technological University

Bachelor of Engineering in AI & ML, **Percentage: 70%**

November 2021 - May 25

## CERTIFICATES AND ACHIEVEMENTS

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Published multiple apps in play store.