

# Ayan Malik

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## EXPERIENCE

### THE CEO MAGAZINE | ANDROID DEVELOPER

Apr 2024 – Present | Australia, Remote(India)

- Built **end-to-end Core Modules: Podcasts, Q&A, Polls, Posts, Articles, Bookmarks** – used by **1L+ users daily**.
- Migrated **80% of the codebase** from **XML layouts** to **Jetpack Compose**, improving **UI consistency, efficiency, and maintainability**.
- Used **ProGuard** and resource shrinking to reduce **app size by 20%** and improve **cold boot time**; maintained **99% crash-free sessions**.
- Improved **data caching strategies, contracts, and Room database configurations**, boosting **performance and scalability**.
- Oversaw **Play Store releases, GitHub maintenance, and dependency upgrades** for an app with **100,000+ downloads**.

### ROOTER.GG | SDE(ANDROID) - 1

Aug 2023 – Feb 2024 | New Delhi, India

- Enhanced **Reels UI performance**, boosting **user retention by 25%**, resolved major crashes, and optimized **ad display logic**, increasing **ad revenue by 10%**.
- Integrated **MediaStore** and **Download Manager** to enable image downloads on **Android API 30+** and migrated **Java classes** to **Kotlin**, improving code quality and maintainability.
- Resolved **camera access denial issues**, ensuring reliable functionality during multiple access attempts.
- Enhanced and updated the **cropping logic** of the open-source **InstaCropperView** library, improving image cropping functionality and user experience.
- Optimized **ExoPlayer logic** for **Reels**, enhancing **memory efficiency** and playback performance.
- Optimized **LiveStreamVideo (LiveExoPlayer)** launch from **push notifications** by refining **API loading and routing logic**, reducing load time from **4 seconds to 1.5 seconds**.
- Implemented **video auto-play functionality** using **Firebase Remote Config** with **A/B testing**.

### ROOTER.GG | ANDROID INTERN

July 2022 – Aug 2023 | Remote, India

- Resolved **150+ bugs**, including **crashes, ANRs, and OOM issues**, affecting **1Lac+ daily active users**, significantly improving app stability and user experience.
- Contributed to the development of the **Reels feature**, a key **MVP and revenue booster** for the app, driving user engagement and monetization.

## PROJECTS

### BHAVISHYA VAANI APP | AI BASED ASTROLOGY APP

- Leveraged **AI-powered Gemini API** for personalized astrological predictions in career, relationships, and more.
- Developed an interactive **birth chart generator** using **web scraping** for real-time, location-based astrological readings.
- Implemented **Google Ads** for monetization.

## EDUCATION

### BENGAL INSTITUTE OF TECHNOLOGY

BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION

Aug 2019 - Aug 2023 | Kolkata, India

Cum. GPA: 8.9 / 10.0

## SKILLS

### PROGRAMMING

3+ years:

Android • C/C++, Java, Kotlin, DSA

1+ years:

SQLite • JavaScript

### TECHNOLOGY

• **Android** • **Git/Github** • **MVVM** • **Gen AI API** • **PostMan** • **Google Map API** • **EXO Player** • **Jetpack Compose** • **REST** • **GraphQL**

## OTHERS

### OPEN SOURCE CONTRIBUTE

- **LibreTube**: Resolved two critical **scrolling bugs** in the YouTube comment section for a **GitHub project with 8.9k stars**, enhancing functionality and user experience.
- **Sanatan Panchang**: Developed a **Notification-Based Event Reminder** using **AlarmManager** and **RoomDB** for an app with **1M+ downloads**, boosting **customer retention by 15%**.

### FREELANCING PROJECT

- **AddsCart**: Developed a complete **client-consumer Android app** from scratch in **Java** with **Firebase backend** in under a month, featuring **15+ screens, GPS location tracking, user management, and unique order ID generation**. Designed backend logic, ensured best practices, and maintained the app with a focus on **client satisfaction**.

## LINKS

Github:// **malikAyan**

LinkedIn:// **malikAyan**

Leetcode:// **malikAyan**