

SUMAN KUMAR MANDAL

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ANDROID DEVELOPER (KOTLIN)

Android Developer focused on building and shipping mobile apps using Kotlin and Firebase. Published Optometry Library on Google Play with 10,000+ installs and built multiple real-world apps with strong UI + backend integration.

TECHNICAL SKILLS

Android: Kotlin, Android Studio, Material Design, RecyclerView, Intents, Activities/Fragments

Firebase: Realtime Database / Firestore, Firebase Storage, Firebase Cloud Messaging

Programming: Java, Python, OOP, Basics of DSA

Backend/Database: REST APIs (basic), MySQL

Tools: Git/GitHub, Gradle, Google Colab

PROJECTS

[Optometry Library](#) — Android App (Kotlin, Firebase) | Google Play (10k+ installs)

- Developed and published an Android education app to centralize optometry books/resources; achieved 10,000+ installs on Play Store.
- Implemented Firebase-backed content listing and data updates for a smooth browsing experience.
- Added reliable UI state handling (loading/success/error) to improve stability during network/data issues.

SheSecure — Women Safety App (Android, Firebase)

- Built an SOS feature using shake detection to trigger emergency workflow and user assistance flow.
- Ranked 9th out of 150+ teams in a university hackathon for the solution and implementation.

Player Re-Identification (Computer Vision) — YOLOv11, OpenCV, Google Colab

- Created a single-feed player tracking pipeline using detection + re-identification to keep consistent IDs across frames.

EDUCATION

B. Tech (CSE – AI & ML) — Brainware University, Kolkata | CGPA: 7.83 (till 7th Sem)

Higher Secondary (12th) — WBCHSE | 52%

Secondary (10th) — WBBSE | 73%

ACHIEVEMENTS

- Optometry Library crossed 10,000+ installs on Google Play.
- SheSecure hackathon project ranked Top 9/150+ teams.