

# Santanu Mukherjee

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## SUMMARY

Experienced Flutter developer with **4+ years** building scalable, high-performance apps used by **2M+ users** across healthcare, insurance, commerce, and other domains. Skilled in **GetX**, **Bloc**, and **MVVM**, with experience integrating **Firebase**, **REST APIs**, and backend services using **FastAPI**, **AWS**, and **PostgreSQL**. Familiar with **CI/CD** and focused on delivering clean, maintainable, production-ready features.

## TECHNICAL SKILLS

**Languages:** Dart, Kotlin, Java, Python, C, SQL (Postgres), GO

**Frameworks:** Flutter, Android Development, FastAPI, Django

**Developer Tools:** Git, Git-Actions (CI/CD), Firebase, Amazon Web Services (AWS), Amplify

## EXPERIENCE

### Software Engineer

June 2022 – Present

*Mantra Labs*

Kolkata, IN

- Built production-ready features in **Flutter** using **GetX** and **Bloc (Cubit)** for reliable state management and smooth, responsive UI.
- Created custom UI components with **Canvas** and **CustomPaint**, delivering precise layouts and animations for critical screens.
- Led development of the Manipal Doctors app — implemented appointment handling, secure login, lab/vitals data views, and notification workflows.
- Worked on the SBI General Insurance app for the **Health Edge** product — handled form flows, upgraded legacy code, fixed payments, and added **Firebase Analytics** for event tracking.
- Built the Tekexcelator sales app — added punch in/out, barcode scan, incentive logic, and location-based login with responsive UI and clean architecture.
- Contributed to the Canara HSBC Life Insurance mobile app — optimized core user journeys, improved claims and policy servicing flows, and strengthened app-level security.
- Collaborated with product teams to understand requirements and delivered features that met expectations within tight timelines.
- Worked closely with QA, design, and backend teams; also mentored junior developers and participated in regular code reviews.

### Android Developer

Aug. 2021 – Oct. 2021

*Coprotect Ventures*

Remote

- Developed an Android social platform for nature enthusiasts using **Java/Kotlin**, focusing on performance, modular code, and intuitive UX.
- Applied **MVVM architecture** to ensure separation of concerns and maintainability.

## PROJECTS

### GOG - Gangs of Greenpur | *Flutter, Dart, Python, FastApi, PostgreSQL, Git*

[PlayStore](#)

- Developed a social-media application featuring multiple sub-communities, **video streaming**, interactive features such as follow, like, comment, Instagram-like **story sharing**, and advanced location and role management.
- Implemented real-time updates using **WebSocket** for seamless user experience.
- Developed a dynamic, fully customizable **quiz module** with real-time leaderboard generation based on user quiz results, enhancing user engagement and performance tracking.

### Plantonic - Plant Shop Application | *Android, Kotlin, Java, Python, FastApi, PostgreSQL, Git*

[PlayStore](#)

- End-to-end development of a comprehensive E-Commerce plant shop application that allows users to search for and purchase plants across various categories with delivery options and includes an admin panel for managing inventory, downloading order labels, and overseeing orders.

## EDUCATION

### Dream Institute of Technology

Kolkata, IN

*Bachelor of Technology - Computer Science and Engineering, GPA - 9.04/10*

Aug. 2018 – Aug 2022