

Siddhant Pathak

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LinkedIn | GitHub | LeetCode | Codeforces

Professional Summary

Computer Science graduate with hands-on Android development experience using Kotlin, Jetpack Compose, and MVVM. Built and published PaisaPulse Ledger on Google Play using Jetpack ViewModel, StateFlow, Room, Retrofit, and Firebase. Familiar with Android lifecycles, REST API integration, Git, and Gradle, with additional experience building Spring Boot APIs and Flutter applications. Solved 450+ LeetCode problems in Java and achieved Pupil rating on Codeforces.

Education

B.Tech in Computer Science and Engineering

2022 – 2026

Vellore Institute of Technology, Andhra Pradesh (VIT-AP)

Experience

Flutter Developer Intern | My3 Digital

- Built UNADDICTD using Flutter, implementing an onboarding questionnaire, daily activity logs, and rank progression to help users track their habits.
- Implemented access restrictions for PRO features and prepared an Android App Bundle for early-access distribution.

Projects

PaisaPulse Ledger

Feb 2026 – Present

Kotlin, Jetpack Compose, MVVM, ViewModel, StateFlow, Navigation, Room, Hilt, Retrofit, Firebase

Live on Google Play

- Built and published an Android expense-tracking app with monthly budgets, spending analytics, transaction search, manual entry, and CSV export.
- Structured the app using MVVM, Jetpack ViewModel, and Hilt; managed UI state with StateFlow and Coroutines, implemented Jetpack Navigation, and handled Activity lifecycle changes.
- Integrated REST APIs using Retrofit, OkHttp, and Moshi for JSON serialization to send transaction data and receive AI-generated categorization results.
- Persisted transactions using Room and SQLite; added biometric locking and integrated Firebase Analytics and Crashlytics for usage insights and crash monitoring.
- Developed an SMS processing pipeline using BroadcastReceiver and WorkManager with network constraints and retries; prevented duplicate transactions using SHA-256 fingerprints and a unique Room index.
- Built a FastAPI categorization backend, containerized it using Docker, and deployed it on Railway; used Git for version control and Gradle for dependency management and release builds.

FinCart – Personal Finance REST API

Java, Spring Boot, Spring Security, JWT, PostgreSQL, JPA/Hibernate, Docker

GitHub Repository

- Built REST APIs for user authentication and expense CRUD with pagination, sorting, and category-based filtering.
- Secured user resources using JWT authentication, BCrypt password hashing, and ownership checks; added request validation and centralized exception handling.
- Persisted expenses using PostgreSQL and JPA/Hibernate; containerized the application and database using Docker Compose.

Technical Skills

- **Programming Languages:** Kotlin, Java, Dart, SQL
- **Android Development:** Android SDK, Jetpack Compose, Activities, Fragments, Android Lifecycles, ViewModel, Jetpack Navigation, LiveData, StateFlow, Coroutines, Flow, Room, Hilt, WorkManager, BroadcastReceiver
- **Networking & Firebase:** REST APIs, Retrofit, OkHttp, JSON, Moshi, Firebase Analytics, Crashlytics, Firestore
- **Architecture:** MVVM, Repository Pattern, Clean Architecture, Offline-First Architecture, SOLID Principles
- **Backend & Databases:** Spring Boot, Spring Security, JWT, JPA/Hibernate, FastAPI, PostgreSQL, MySQL, SQLite
- **Tools & Other Technologies:** Git, GitHub, Gradle, Android Studio, Postman, Docker, Docker Compose, Railway, IntelliJ IDEA, Flutter
- **CS Fundamentals:** Data Structures & Algorithms, Problem Solving, Object-Oriented Programming, DBMS, Operating Systems, Computer Networks