**📅 Study Plan (2.25 Months)**

Each week focuses on a **specific language/concept** while including **real-world projects**. Since you are learning **three major topics**, we will **mix theory with hands-on practice**.

**📌 Week 1-2: Java (Core Concepts & Android Basics)**

* Learn Java fundamentals **(OOP, Data Structures, File Handling, Exception Handling)**.
* Get comfortable with Java **in VS Code**.
* Set up **Android Studio** and build your first **Hello World Android App**.
* Study **Android UI (XML) & Activity Lifecycle**.

✅ **Mini Project:** Build a simple **To-Do App** in Java (Basic UI + Local Storage using SharedPreferences).

**📌 Week 3-4: Native Android Development (Advanced Java & Jetpack)**

* Master **RecyclerView, Fragments, and Navigation Components**.
* Learn **SQLite & Room Database** for storing user data.
* Work with APIs using **Retrofit**.
* Study **MVVM Architecture** (modern way of structuring Android apps).

✅ **Project:** Build a **Weather App** that fetches real-time data using Retrofit.

**📌 Week 5-6: Flutter & Dart (Cross-Platform Development)**

* Learn Dart language basics (variables, OOP, functions, async programming).
* Set up Flutter SDK in VS Code.
* Build a simple **Counter App**.
* Learn about **Stateful & Stateless Widgets**.
* Explore **Flutter Layouts (Row, Column, Stack, GridView)**.

✅ **Project:** Build a **Currency Converter App** with Flutter.

**📌 Week 7-8: Flutter (Advanced Topics)**

* Learn **Provider & Riverpod** (State Management).
* Fetch data from APIs in Flutter.
* Implement **Firebase Authentication** (Google Sign-In).
* Work with **SQLite & Hive** (Local Storage).

✅ **Project:** Build a **Note-Taking App with Firebase**.

**📌 Week 9: C# (Fundamentals & .NET Basics)**

* Learn C# Syntax, OOP, and Collections.
* Work with **LINQ & File Handling**.
* Explore **.NET Core Console Apps** in VS Code.

✅ **Mini Project:** Create a **Basic CRUD Console App**.

**📌 Week 10: C# for Desktop & Mobile Apps**

* Learn **WPF & WinForms** for Desktop Applications.
* Explore **Xamarin or .NET MAUI** for Mobile Development.
* Study **Entity Framework for Database Handling**.

✅ **Project:** Build a **Simple Expense Tracker App**.

**📌 Week 11-12: Final Projects & Mastery**

* Choose between **Flutter or Native Android** and build a **full-fledged app**.
* Apply **everything you've learned** (APIs, Firebase, UI, Architecture).
* Work on **optimizing code & debugging**.

✅ **Final Project:** **E-commerce App / Chat App** using **Flutter OR Native Android**.

**📌 Extra Tips**

* **Practice Daily**: Spend **at least 3-4 hours** coding.
* **Use GitHub**: Track your projects and push code regularly.
* **Read Documentation**: Master Flutter/Android docs.
* **Watch Tutorials**: Supplement learning with **YouTube or Udemy** courses.

Recommended Courses:

[**MOBILE DEVELOPMENT**](https://www.codecademy.com/catalog/subject/mobile-development?utm_source=chatgpt.com)[**Google Developers Certification**](https://developers.google.com/certification?utm_source=chatgpt.com)

[**Coursera Mobile Development**](https://www.coursera.org/courses?query=mobile+app+development&utm_source=chatgpt.com)

[**Ed X Development**](https://www.edx.org/learn/mobile-development?utm_source=chatgpt.com)

[**Udemy**](Free%20Android%20Development%20Courses%20and%20Tutorials)