PATHAHEAD · FREE ROADMAP

Become a Mobile App Developer from Scratch

Build apps people carry in their pocket. Go from zero to a published app in about five months — using Flutter to ship for Android and iOS from one codebase.

22	5	4	₹0
weeks · ~10–12 hrs/wk	portfolio apps	phases · to Play Store	free tools only

A free PathAhead learning resource · adjust the pace to your life — the order matters more than the dates.

THE ONE RULE

Learn → build an app → ship it

You learn mobile by shipping apps, not watching them. Every phase below ends in a working app on your own phone — and the last one goes live on the Play Store.

THE ROADMAP

Four phases, step by step

0 Foundations

Weeks 1–4

Programming and the mobile mindset.

WEEK 1
Programming basics
Dart fundamentals: variables, functions, classes.

WEEK 2
Mobile UI concepts
Screens, navigation, touch, responsiveness.

WEEK 3
Git & tooling
Flutter SDK, Android Studio, emulator setup.

WEEK 4
First app
A simple single-screen app you run yourself.

1 Flutter Core

Weeks 5–11

Build real, multi-screen apps with Flutter.

WEEK 5
Widgets
The building blocks of every Flutter UI.

WEEK 6
Layouts & styling
Rows, columns, themes, responsive design.

WEEK 7
State management
setState and Provider.

WEEK 8
Navigation
Routes, passing data between screens.

WEEK 9
Forms & input
Text fields, validation, user input.

WEEK 10
Local storage
Persist data on the device.

WEEK 11 · PROJECT ▶
Multi-screen app
A notes or expense-tracker app.

2 Data & Backend

Weeks 12–17

Connect apps to APIs and a real backend.

WEEK 12

REST APIs

Fetch live data over the network.

WEEK 13

JSON & models

Parse data into typed objects.

WEEK 14

Firebase auth

Sign-up, login, user sessions.

WEEK 15

Firestore

A cloud database for your app.

WEEK 16

Push notifications

Re-engage users with messages.

WEEK 17 · PROJECT ▶

App with backend

A social or chat app backed by Firebase.

3 Polish & Ship

Weeks 18–22

Make it feel great and publish it.

WEEK 18

Animations & UX

Smooth transitions and micro-interactions.

WEEK 19

Testing & debugging

Find and fix issues before release.

WEEK 20

Build & assets

App icons, splash screens, release builds.

WEEK 21

Publishing

Get an app onto the Google Play Store.

WEEK 22 · CAPSTONE ▶

Production app

A polished, published app people can install.

BUILD A PORTFOLIO

Five projects that get you hired

Projects beat certificates. Do them in order — each builds on the last. Put every one on GitHub with a clear README: problem → approach → result.

Start here

1 · Calculator / Weather App

Your first real app — layout, logic, and a live API.

Flutter

2 · Multi-Screen App

A notes or expense tracker with navigation and storage.

APIs

3 · API-Driven App

A news or movies app pulling live data.

In demand

4 · Firebase App with Auth

Login, a cloud database, and real-time updates.

Capstone

5 · Published Play Store App

A complete app, live and installable by anyone.

ROLES YOU CAN APPLY FOR

Mobile App Developer · Flutter Developer · Android Developer · iOS Developer

TYPICAL STARTING SALARY · INDIA

₹4–10 LPA

LEARN IT

Learning resources

Every item links to the real source (clickable in this PDF).

BOOKS

- Head First Android Development by Dawn Griffiths and David Griffiths
- iOS Programming The Big Nerd Ranch Guide by Christian Keur and Aaron Hillegass
- Flutter Apprentice by the Kodeco Team

COURSES

- Android Basics with Compose by Google (free)
- Flutter Course by freeCodeCamp (free)
- Meta iOS Developer by Coursera
- React Native by Coursera

YOUTUBE

- The Net Ninja
- Philipp Lackner
- Flutter

PRACTICE

- GitHub
- Google Play Console
- Exercism

DO THIS TODAY

Your first step (takes 30 minutes)

1

Install Flutter + Android Studio

Free — the full mobile toolchain and an emulator.

2

Run the demo app

flutter create then flutter run to see it on the emulator.

3

Change one thing

Edit the text and hot-reload it. You're building apps now.

Job-ready checklist: 3–5 solid projects on GitHub (≥1 deployed or documented) · can explain your work in an interview · comfortable with the core tools of the field · a portfolio or profile recruiters can find.

PathAhead — India's premium career guidance platform. This roadmap is a free educational resource; timelines are a guide and everyone learns at a different pace. Referenced third-party resources (Flutter docs, freeCodeCamp, The Net Ninja (YouTube), Google Codelabs, Firebase docs) are for learning only and are not affiliated with PathAhead.