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Master Android App

Development with Java & Kotlin

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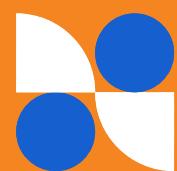
Java

Course Overview

Build Android Apps from Scratch with Java & Kotlin

Android powers over 70% of smartphones globally — and developers with Android skills are in high demand. This **Master Android App Development Course** by SkillUpgrades teaches you how to build fully functional, responsive Android apps using both **Java (core Android language) and Kotlin (modern, official Android language).**

You'll gain hands-on training in building real apps using Android Studio, designing modern UIs with XML, handling user data with Firebase, and publishing your app on the Google Play Store.

Perfect for students, freelancers, and aspiring app developers.

What You'll Learn

- Android Studio setup and emulator configuration

- Java and Kotlin programming basics

- XML-based UI designing

- Intents, Activities, Fragments, and Navigation

- Working with RecyclerView, Lists, Forms

- SQLite and Firebase Realtime Database

- User Authentication (Login/Signup with Firebase)

- Using APIs, parsing JSON, and data display

- Push notifications and app permissions

- App testing and deployment to Google Play Store

Who Should Enroll

- Beginners looking to start a career in app development

- Students and fresh graduates in IT/CS

- Freelancers & startup founders

- Web developers transitioning to mobile

- Anyone wanting to publish their own Android app

Requirements

- Basic knowledge of any programming language

- Laptop or desktop with Android Studio installed

- Android device (optional) for testing

- Internet access and learning mindset

Course Modules – Android App Development (Java + Kotlin)

Module 1: Android Studio & Java Foundations

- Installing Android Studio & emulator setup

- Java basics: variables, loops, classes, methods

- Android project structure

- XML UI design: layouts, views, widgets

- Creating and managing activities & intents

Module 2: App Components & Kotlin Essentials

- Intro to Kotlin syntax and benefits

- Using Kotlin for UI and business logic

- Fragments, lifecycle, view binding

- RecyclerView, CardView, and dynamic layouts

- Event handling and Toasts

Module 3: Data Handling & Firebase Integration

- Local storage: SharedPreferences and SQLite

- Firebase Realtime Database integration

- Firebase Authentication (Email/Password, OTP)

- Data input, validation, and error handling

- Working with JSON APIs using Retrofit or Volley

Module 4: Final Project & App Deployment

- Building a complete app (News App, Chat App, or To-Do List)

- Testing, bug fixing, and performance tuning

- App icon, splash screen, permissions setup

- Preparing APK or AAB files

- Publishing your app on the Google Play Store

Course Highlights

- Learn both Java and Kotlin for Android

- 4+ real-world projects with Firebase integration

- Play Store deployment guidance

- Resume & portfolio-building support

- Certificate of Completion

Thank You