innovate with ajay

AI CLASSROOM COURSES · SPECIALIST BUILD

Mobile App Development with AI

Turn an idea into a working mobile app — from screens and data to testing and release preparation.

3 months	120	12	₹22,000
DURATION	GUIDED HOURS	MODULES	FOUNDING BATCH FEE

Who it is for

Students and builders who want to make Android and iOS apps, especially those with an app idea.

Before you begin

Computer skills and readiness for programming practice. An introductory JavaScript bridge is included.

What you will build

- TaskPocket — a task app
- ExpenseLog — an expense tracker
- An Android-tested booking-request app with a release-preparation pack

What you will be able to do

- Design for thumbs, keyboards and small screens, with clear navigation and state
- Store data that survives the app closing, and handle the network failing
- Add login, privacy boundaries and device features that users can trust
- Test, measure performance, build, sign and prepare a release

Tools and technologies

JavaScript · TypeScript · React Native · Expo · Supabase · Android Studio · AI coding assistant

Modules

MODULE 1 · 10 H — Are You Building an App or Solving a Problem?

- Mobile product fit
- Stack selection
- Runtime and project setup
- Values and basic types
- Conditions and functions
- Arrays, objects and identity
- Asynchronous fundamentals
- Constraint-based AI assistance
- Setup debugging
- Entry-bridge assessment

MODULE 2 · 10 H — Mobile Experience: Thumbs, Keyboards and Small Screens

- Native interface primitives
- Touch targets and placement
- Safe areas and insets
- Keyboard-aware layouts
- Flexible mobile layouts
- Font scaling and accessibility
- Non-colour cues
- Reusable mobile components
- Empty-state onboarding
- Usability checkpoint

MODULE 3 · 10 H — Managing Navigation and State

- Navigation stacks
- Navigation choices
- Route parameters
- Invalid navigation targets
- State ownership
- Draft lifecycle
- Event handling
- Derived state
- Mini-app integration
- TaskPocket review

MODULE 4 · 10 H — What Happens to Data After the App Closes?

- Persistence fundamentals
- Save timing
- Data-versioning fundamentals
- Defensive loading
- Destructive local actions
- Numeric form handling
- Data consistency
- Separating business logic
- ExpenseLog build lab
- Mini-app assessment

MODULE 5 · 10 H — The Internet Arrives—and So Do New Failures

- Network contracts
- Response validation
- Request lifecycle
- Timeouts and retry choices
- Out-of-order reads
- Failure classification
- Cache freshness
- Client trust boundaries
- Integration review
- Network assessment

MODULE 6 · 10 H — Login, Privacy and Account Boundaries

- Managed sign-in
- Authentication feedback
- Session storage
- Session-expiry experience
- Own-user access
- Trusted identity sources
- Account switching
- Managed account recovery
- Profile validation
- Authentication and privacy assessment

MODULE 7 · 10 H — Booking Apps: Design States, Not Just Screens

- Capstone scope
- Booking vocabulary
- Reusable catalogue UI
- Date validation
- Timezone awareness
- Data minimisation
- Confirmation experience
- Server-confirmed submission
- History and discovery
- Capstone integration

MODULE 8 · 10 H — Device Features: Permission Means Trust

- Permission timing
- Graceful degradation
- Image selection and resizing
- Upload lifecycle
- Storage access
- Notification intent
- Notification architecture
- Lifecycle cleanup
- Lifecycle fundamentals
- Device-integration review

MODULE 9 · 10 H — Reliability: Double Taps and Disappearing Networks

- Duplicate-submission handling
- Uncertain writes
- Concurrency boundaries
- Business-state transitions
- Merging and identity
- Offline-read policy
- Error routing
- Privacy-aware diagnosis
- Failure lab
- Integration assessment

MODULE 10 · 10 H — Performance and Testing: From Impressions to Evidence

- Performance testing
- Performance diagnosis
- Virtualised lists
- Measured optimisation
- Test layers
- Integration tests
- Accessibility regression
- Build-mode comparison
- Bug-report quality
- Release prioritisation

MODULE 11 · 10 H — Builds, Signing and App-Store Reality

- Build artifacts
- Application identity
- Signing concepts
- Build diagnostics
- Android acceptance build
- Platform differences
- Listing accuracy
- Data inventories
- Submission versus release
- Submission preparation

MODULE 12 · 10 H — Handover and an Honest Mobile Portfolio

- Scope-change evaluation
- Ownership and support
- Interpreting feedback
- Portfolio narrative
- Reproducible handover
- Independent reliability assessment
- Independent build assessment
- Project defence A
- Project defence B
- Final reflection and delivery

Batch details

First class	19 Nov 2026
Days and time	Mon – Fri · 3:00 pm – 5:00 pm
Ends	10 Feb 2027 (public holidays may move this later)
Classes	60 classes · 10 h/week · home practice 6-8 hours/week
Format	Udaipur, Rajasthan · offline classroom · Hinglish (Hindi + English) · up to 15 learners

Scope: One primary mobile stack. Android is assessed; the iOS workflow depends on access to Apple tools. App-store approval is decided by Google and Apple and is not guaranteed.