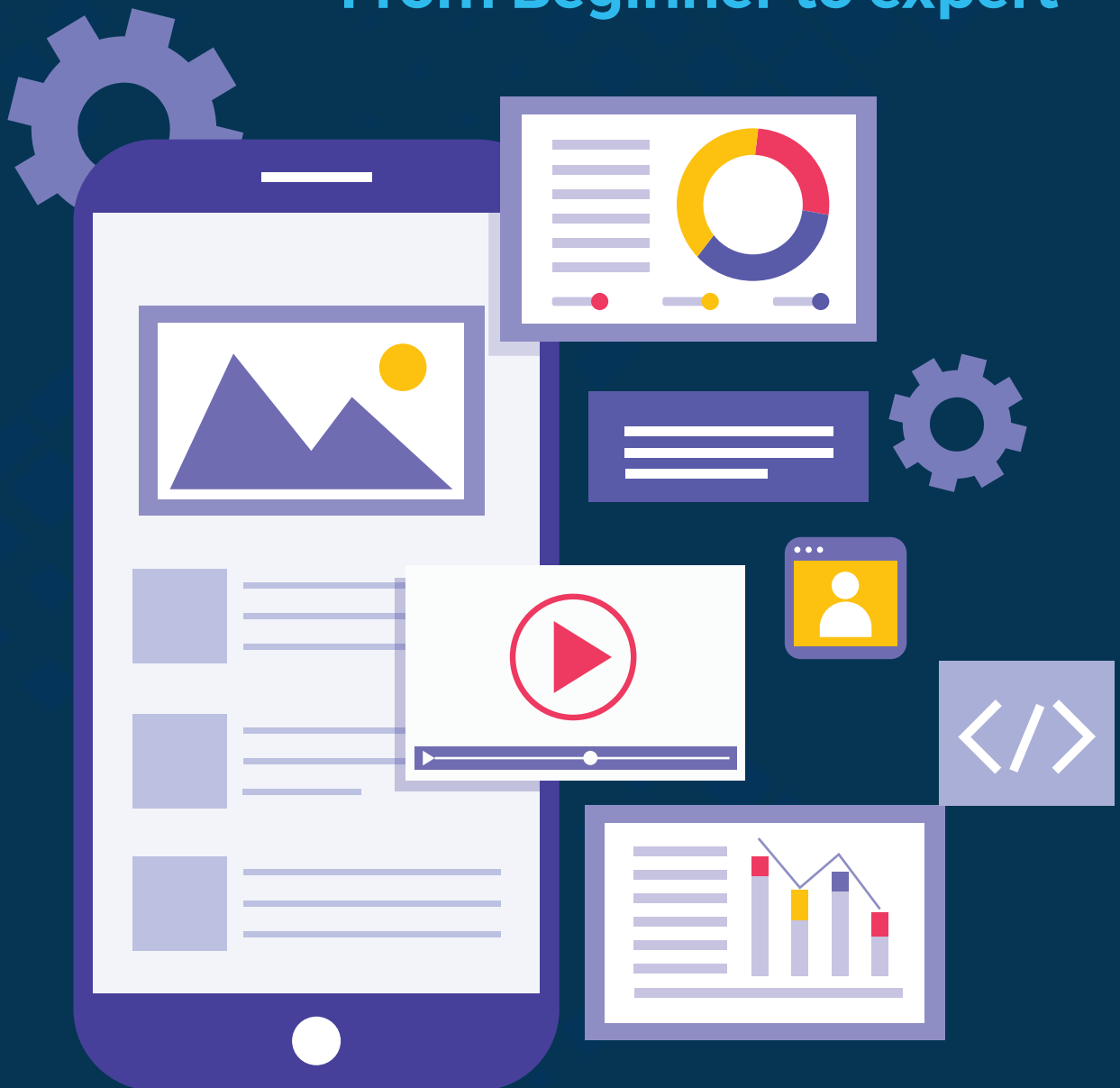# Comprehensive Mobile Application Curriculum

From Beginner to expert

MOBILE APPLICATION CURRICULUM

1 JAVASCRIPT MODULE 1

I.   Variables, Data Types, and Operators
II. Control Structures (if-else, loops)
III. Functions and Scope
IV. Arrays and Objects
V.   Closures and Higher-Order Functions
VI. Asynchronous JavaScript (Callbacks, Promises, Async/Await)
VII. ES6+ Features (Arrow functions, Classes, Modules, etc.)

2 JAVASCRIPT MODULE 2

I.   Error Handling
II.   Prototypes and Inheritance
III. Functional Programming
IV.   Promises and Async/Await
V.   AJAX and HTTP Requests
VI.   Understanding the Event Loop
VII. Writing Unit Tests

3 REACT NATIVE FUNDAMENTALS

I.   Setting up the development environment (React Native CLI or Expo)
II.   Creating a new project and Understanding the project structure
III. Testing your app on emulators and real devices
IV.   Concepts of React
V.   Components, JSX, and props in React Native
VI.   Styling components using StyleSheet
VII. Handling user input and touch events

4 GIT AND GITHUB

I.   Introduction to Git-version control and its importance in web development
II. Setting up Git and basic Git commands (init, clone, add, commit, push, etc.)

5 NAVIGATION

I.   Implementing navigation between screens using React Navigation
II.   Navigating with parameters and passing data between screens
III. Modals, drawers, and other advanced navigation patterns

6 STATE MANAGEMENT

I.   Managing state using React Hooks
II. Using Redux

7 WORKING WITH API'S

I.   Making HTTP requests with Fetch or Axios
II.   Handling responses and errors
III. Integrating data into your app

8 DEVICE FEATURES AND API'S

I.   Accessing and using device features (camera, geolocation, etc.)
II.   Using third-party libraries for specific functionalities

9 UI LIBRARIES AND COMPONENTS

I.   Exploring popular UI component libraries
II. Customizing and styling components to fit your app's design

MOBILE APPLICATION CURRICULUM

10 APP DEPLOYMENT

I. Generating APKs for Android
II. Deploying your app to app stores (Google Play Store)

11 PERFORMANCE OPTIMIZATION

I. Identifying performance bottlenecks
II. Implementing code splitting and lazy loading
III. Dealing with large lists efficiently

12 REACT NATIVE HOOKS AND APIS

I. Exploring the official React Native APIs (AsyncStorage, etc.)
II. Securing user data and sensitive information

13 ANIMATIONS

I. Animating components and screen transitions
II. Using popular animation libraries like React Native Reanimated or Lottie

14 DEBUGGING AND TESTING

I. Using React Native Debugger and debugging tools
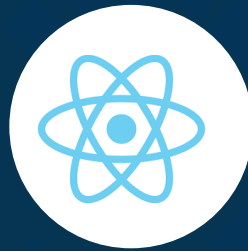II. Writing unit tests and UI tests using Jest

15 PROJECTS

Minor Project
I. Weather App
II. Blog App
III. App of choice

Major Project
I. Capstone Project

Technologies to learn

Job Roles that can be applied after completion of this course

Entry Level Software Engineer

Junior Software Engineer

Mobile App Security Enginee

Application Developer

Mobile App Technical Writer

React Native Developer

Hybrid Mobile App Developer

Mobile App Researcher

Android Developer

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Click "Enroll Now"
On our homepage, locate the "Enroll Now" button. Clicking on this button will lead you to our application form.

Complete the Application Form
Fill out the application form with your accurate personal information and contact details. This information is crucial for us to get in touch with you during the evaluation process.

Submit Your Application
Once you've filled out the form, hit the "Submit" button. Your application will be on its way to us.

Wait for Our Response
After we receive your application, our team will review it. We'll get in touch with you to provide information about the evaluation criteria and upcoming test dates. This information will help you prepare effectively.

Prepare for the Evaluation
Based on the evaluation criteria we provide, prepare yourself to demonstrate your skills and abilities. We're here to support you throughout this process, ensuring you're well-prepared for success.

Complete the Evaluation
Participate in the evaluation process. This is your opportunity to showcase your potential and skills.

Selection for the Program
After completing the evaluation, we'll carefully assess your performance. Successful candidates will be selected for the Next Coach program, where you'll receive personalized coaching and support to excel academically.

Join Next Coach and take the next step towards your academic success. We're here to guide you every step of the way!

If you have any queries or need any kind of assistance during our application process, Please feel free to connect our Admission Department. We look forward to welcoming you to the Next Coach program and help you achieve your next learning and career goals.

WHY TO CHOOSE US?

Personalized Mentorship
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Real-World Tech Projects
We offer students the opportunity to work on real industry-based projects. You'll apply your newly acquired tech skills to solve practical problems, gain hands-on experience, and build a professional portfolio. It's a crucial step in preparing for a successful tech career.

Assured Learning Success
We guarantee that you'll achieve your learning goals. We provide the support, resources, and guidance you need to succeed. Our commitment to your success ensures that you leave our programs with the knowledge and skills you need to excel in the tech industry

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