



{React Native Training}

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Saranathan College, Trichy

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> About Me



Prithvi KT

IT professional around 9+ years of experience in software development and lead engineer in Enterprise Web and mobile applications



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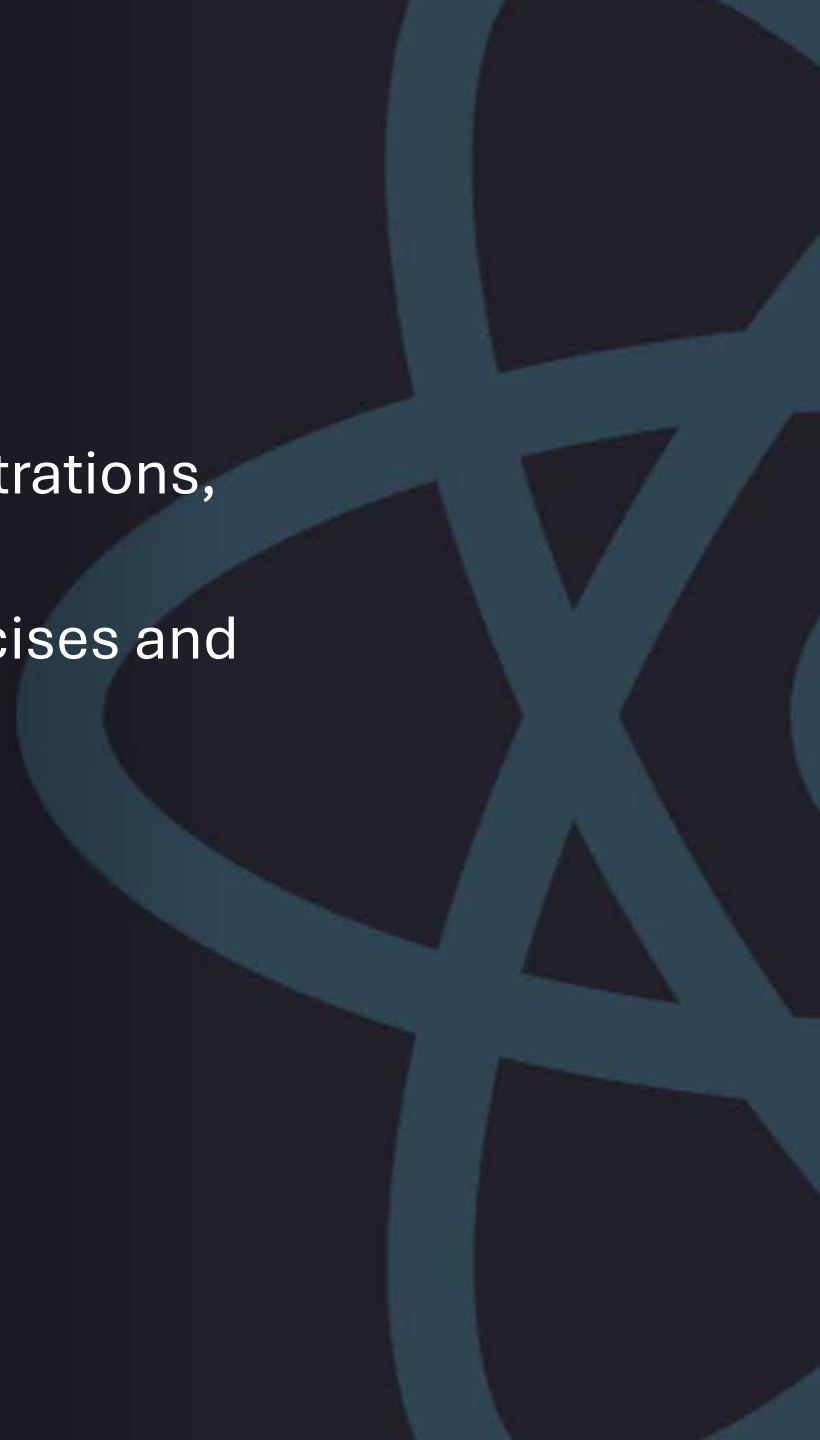


*Prerequisites

- Computer with internet access and development environment set up (preferably participants should also have their development environment set up)
- Projector and screen for displaying slides and code examples
- VS Code Editor installed
- Android Studio & SDK Manager with base Android OS Downloaded
- Git (optional)




://Session Protocol

- Interactive presentation with slides, live coding demonstrations, and hands-on exercises.
 - Encourage participants to follow along with coding exercises and ask questions throughout the session.
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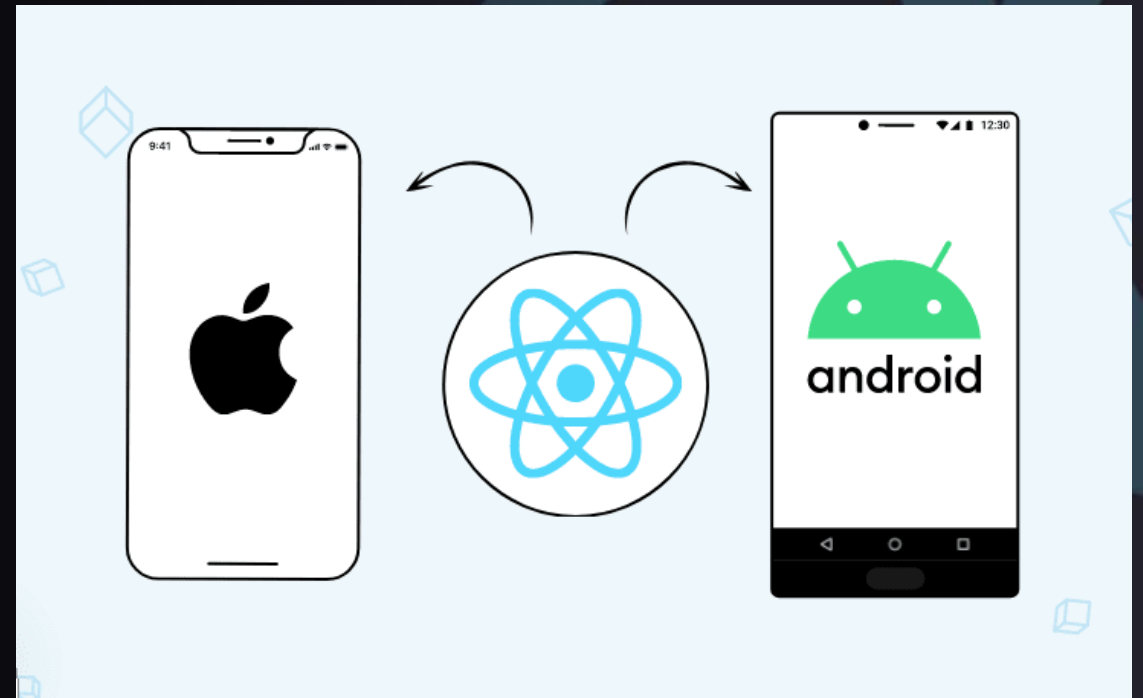


!Agenda

- Introduction to React Native
 - Getting Started
 - Fundamentals of React Native
 - Building Layouts
 - Navigation
 - Working with APIs
 - State Management
 - Building Apps & Demo
 - Conclusion and Resources
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Introduction to React Native

- Building Cross-Platform Mobile Apps with JavaScript
- Native Performance
- Declarative UI
- Component Based Architecture
- Hot Reloading
- Community and Ecosystem
- Developer Experience
- Flexibility and Customization
- Performance Optimization
- Adoption by Industry Giants





Getting Started

- What is NPM / NVM?
- Setting up the development environment
- Installing Node.js, npm/yarn, React Native CLI
- Creating a new React Native project


[React Native · Learn once, write anywhere](#)

[Setting up the development environment · React Native](#)






Fundamentals of React Native

- Components and TSX/JSX
 - Typescript Vs JavaScript
 - State and Props
 - Styling components
 - Handling user input with Text Input and Button components
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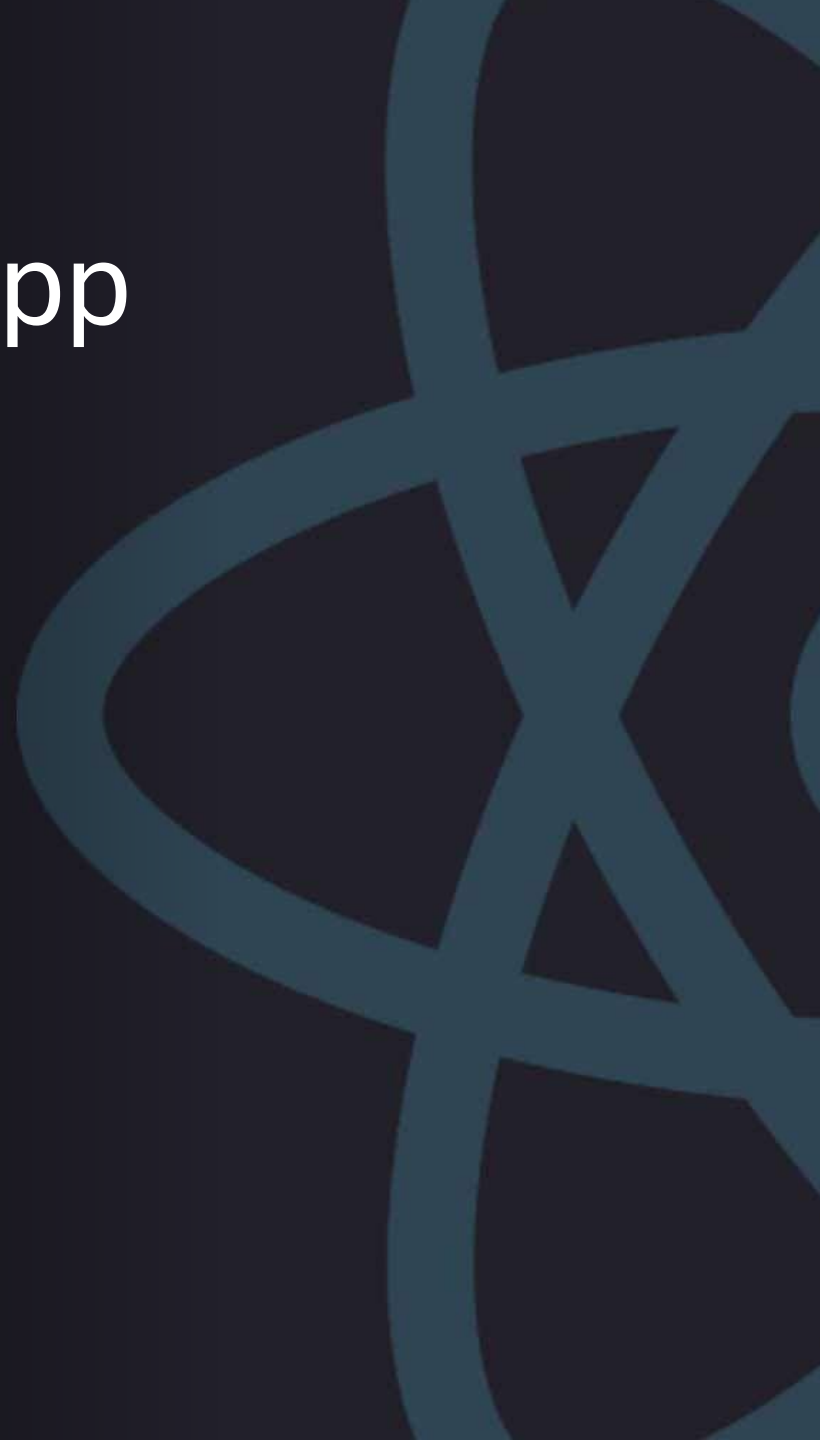


State Management

- What is a State ?
 - Introduction to state management
 - Using React Hooks for state management
- 



Building Currency Conversion App





Building Layouts

- Flexbox layout system in React Native
- Container components: View, Scroll View
- Presentational components: Text, Image





Navigation

- Introduction to navigation in React Native
- Stack Navigator
- Tab Navigator

[Stack Navigator | React Navigation](#)






Building Login Screen App





Working with APIs

- What is an API?
 - Making HTTP requests using Fetch API
 - Handling responses and errors
- 



Demo Location Access App





Conclusion and Resources

[React Native · Learn once, write anywhere](#)

[Setting up the development environment · React Native](#)

[Stack Navigator | React Navigation](#)

[npm | Home \(npmjs.com\)](#)

[Online Dev Env for ReactNative\(expo.dev\)](#)

[Snack - React Native in the browser \(expo.dev\)](#)





Thank You

