

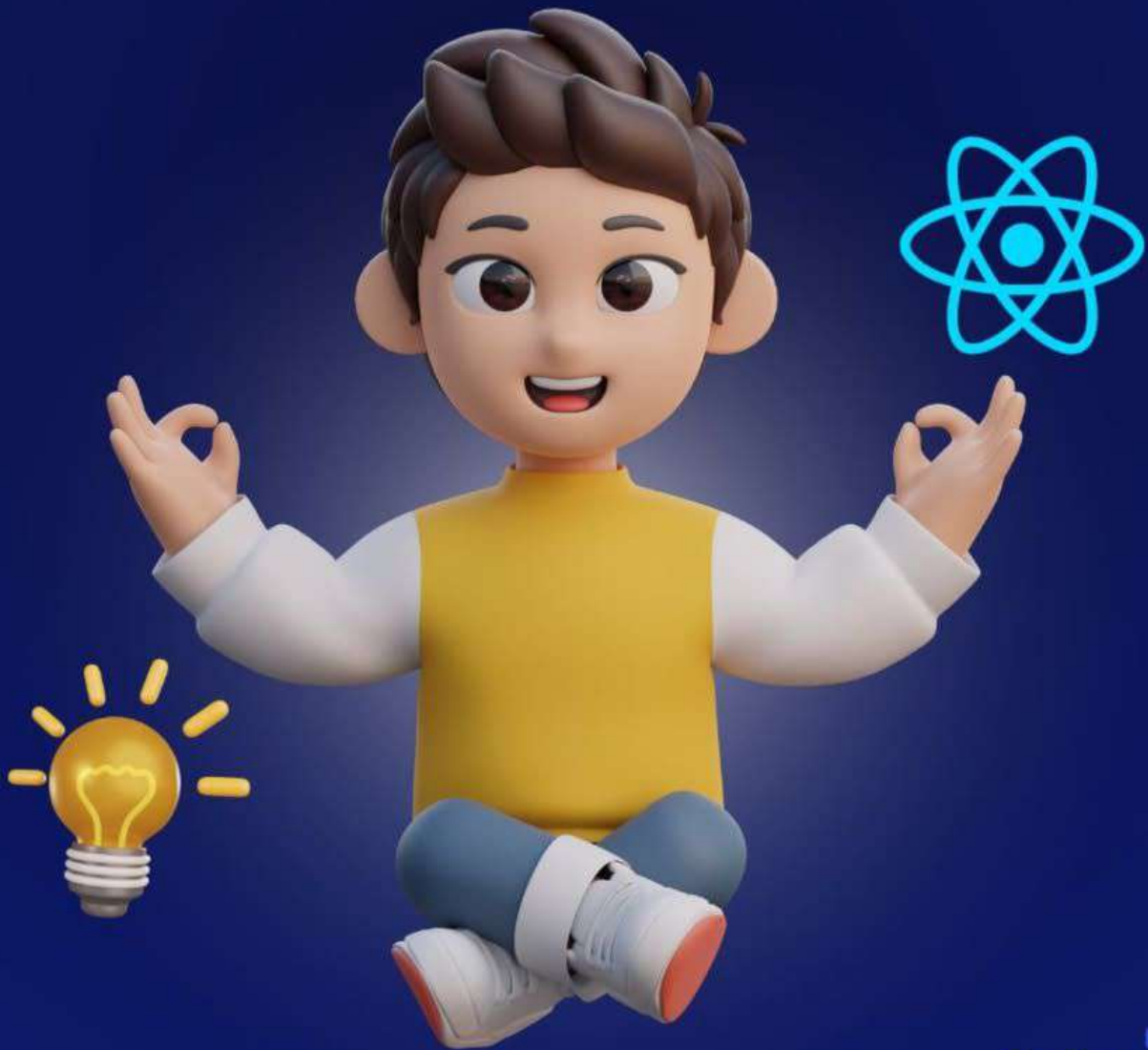


Web Developer
@the_coding_wizard

01



React Cheat Sheet



Swipe 

The 'Swipe' logo consists of a stylized blue 'S' shape that forms a continuous loop, with a small blue arrow pointing upwards at the top of the loop.

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1. Import Statements

```
import React from 'react';  
import { useState, useEffect } from 'react';  
import ComponentName from './ComponentName';
```

2. Functional Component

```
function ComponentName(props) {  
  // Component body  
  return (  
    <div>  
      { /* JSX code */ }  
    </div>  
  );  
}  
  
export default ComponentName;
```



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3. Class Component

```
import React, { Component } from 'react';
class ComponentName extends Component {
  render() {
    return (
      <div>
        { /* JSX code */ }
      </div>
    );
  }
}
export default ComponentName;
```

4. JSX Syntax

```
return (
  <div>
    <h1>{title}</h1>
    <p>{description}</p>
  </div>
);
```



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5. Props

```
function ChildComponent(props) {  
  return (  
    <div>  
      {props.value}  
    </div>  
  );  
}  
  
// Usage in parent component  
<ChildComponent value="Some Value" />
```

6. Event Handling

```
function ComponentName() {  
  const handleClick = () => {  
    // Handle click event  
  };  
  
  return (  
    <button onClick={handleClick}>  
      Click Me</button>  
  );  
}
```



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7. Conditional Rendering

```
function ComponentName({ isLoggedIn }) {  
  return (  
    <div>  
      {isLoggedIn ? <p>Welcome Back!</p> :  
      <p>Please Log In</p>}  
    </div>  
  );  
}
```

8. Lists and Keys

```
function ComponentName({ items }) {  
  return (  
    <ul>  
      {items.map((item, index) => (  
        <li key={index}>{item}</li>  
      ))}  
    </ul>  
  );  
}
```



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9. Context API

Creating Context :

```
import { createContext } from 'react';  
const ContextName = createContext();
```

Providing Context :

```
<ContextName.Provider value={value}>  
  { /* Children components */ }  
</ContextName.Provider>
```

Consuming Context :

```
import { useContext } from 'react';  
const value = useContext(ContextName);
```



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10. Fragments

```
import { Fragment } from 'react';

function ComponentName() {
  return (
    <Fragment>
      <h1>Title</h1>
      <p>Description</p>
    </Fragment>
  );
}
```

11. Higher-Order Components (HOC)

```
function withExtraProps(WrappedComponent) {
  return function EnhancedComponent(props)
  {
    return <WrappedComponent {...props}
    extraProp="value" />;
  };
}
```



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12. React Router

Setting Up Routes :

```
import { BrowserRouter as Router, Route, Routes }
from 'react-router-dom';

function App() {
  return (
    <Router>
      <Routes>
        <Route path="/" element={<Home />} />
        <Route path="/about" element={<About />} />
      </Routes>
    </Router>
  );
}
```

Navigation Links :

```
import { Link } from 'react-router-dom';

function ComponentName() {
  return (
    <nav>
      <Link to="/">Home</Link>
      <Link to="/about">About</Link>
    </nav>
  );
}
```


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13. Styling Components

Inline Styling :

```
const style = {  
  color: 'blue',  
  fontSize: '20px'  
};  
  
return <div style={style}>Styled Component</div>;
```

CSS Modules :

```
import styles from './Component.module.css';  
  
return <div className=  
{styles.className}>Styled with CSS  
Module</div>;
```

Comment "React" for React CheatSheet

