



BECOME NINJA IN REACT JS IN 30-DAYS

(TRAINER: MUHAMMAD IMRAN SHABBIR)

Become Master in Web Development using React JS

(Learn React Js in Urdu)

Welcome to the World of React!

Assalam-o-Alaikum sab ko!

Aaj hum ek nayi journey start karne ja rahe hain — React JS seekhne ki journey. React wo skill hai jo aaj ke time mein **web development ki backbone** ban chuki hai. Agar aapko modern, fast, aur interactive websites banana seekhni hain, to React ek “must-learn” technology hai.

What is React JS?

React ek **JavaScript library** hai jo mainly **User Interface (UI)** banane ke liye use hoti hai.

Iska matlab ye hua ke React ke zariye hum web pages ke wo parts banate hain jo user dekhta aur use karta hai — jaise buttons, forms, cards, menus, ya complete dashboard screens.

React ko 2013 mein **Facebook (Meta)** ne banaya tha.

Aaj ke time mein ye **open source** hai aur duniya ke hazaron developers is par kaam karte hain.

React ka focus hai —

Fast Performance

Reusable Components

Declarative Code (simple aur readable)



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Why React Became So Popular?

React ne web development ka style hi badal diya.

Pehle developers manually HTML, CSS, aur JavaScript likh kar static pages banate the. Agar kuch change hota to pura page reload hota tha.

Lekin React ke sath:

- Page ka sirf wo part update hota hai jahan change aaya ho (thanks to **Virtual DOM**).
- Aap apna code small reusable pieces (components) mein likhte ho.
- Application maintain karna aur scale karna asaan ho jaata hai.

Yani React ne development ko **smart aur efficient** bana diya.

React in the Real World

Aaj ke time mein almost har badi company React use kar rahi hai —

- **Facebook** — (React ke creator bhi yehi hain)
- **Instagram** — poora frontend React par bana hua hai
- **Netflix** — React se apna UI build karta hai
- **Airbnb, Uber, Dropbox, Shopify, Discord, WhatsApp Web** — sab React par depend karte hain

Aur sabse achi baat ye hai ke **freelancing platforms** (Upwork, Fiverr, Toptal) par React developers ki demand sabse zyada hai.

Har company ko **frontend React expert** chahiye hota hai jo unki web apps ko interactive aur user-friendly bana sake.

React Developer ki Market Demand

Agar aap freelancing karna chahtay ho, ya full-time job chahte ho, React ek **high-paying skill** hai.

2025 ke career reports ke mutabiq:

- React developer ki **average salary** world mein \$60,000–\$150,000 per year hai.
- Pakistan mein ek skilled React developer **200k–600k PKR per month** tak kama raha hai (depending on experience).



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- Freelancing projects per React developers ki hourly rate \$15 se \$100+ tak hoti hai.

Aur ye demand **barhti ja rahi hai**, kyun ke har company web-based solutions par shift kar rahi hai.

React Native – Mobile Development Ka Gateway

React sirf web tak limited nahi hai.

Agar aap React seekh jaate hain, to aap **React Native** ke zariye **mobile apps (Android/iOS)** bhi bana sakte ho — wo bhi same JavaScript aur React concepts se!

Yani ek hi skill — aur double power

Ek baar React samajh aagaya, to web aur mobile dono platforms pe kaam karna aasan ho jaata hai.

What You Will Learn in This 30-Day Course

Ye 30 days ka course aapko **beginner se professional React developer** banane ke liye design kiya gaya hai.

Hum ye sab seekhenge:

1. React Environment Setup
2. JSX aur Components
3. Props aur State
4. Conditional Rendering
5. Event Handling
6. Forms aur Controlled Components
7. Lists aur Keys
8. Reusable Components
9. useEffect aur useState Hooks
10. API Integration (fetch / axios)
11. Routing (React Router)
12. Tailwind CSS Integration
13. Context API aur State Management
14. Custom Hooks
15. Deploying React Project



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16. aur bohot kuch...

Har din ek naya concept + coding practice milegi,
aur har example ke sath Urdu style explanation — taake aapka learning experience
easy aur interesting rahe.

Mini Challenge for You (Pre-Day 1 Task)

Before we start coding, thoda setup ready kar lo:

1. Install **Node.js**
2. Install **VS Code** (code likhne ke liye best editor)
3. Thoda JavaScript brush-up kar lo — variables, functions, arrays, aur objects revise kar lo.
4. Ek folder bana lo: react-journey/ jahan hum apne projects rakhenge.



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Day 1 – Setting Up React Environment

Introduction

Aaj hum React JS ka safar shuru kar rahe hain!

React ek **JavaScript library** hai jo Facebook ne banai thi, aur iska main kaam hai **User Interface (UI)** banana — yaani website/app ka wo hissa jo user dekhta aur use karta hai.

React modern web development ka backbone hai. Aap React ke zariye fast, responsive aur dynamic web applications bana sakte hain — jaise Facebook, Instagram, aur Netflix.

Lekin React seekhne se pehle humein apna **environment set up** karna zaroori hai. Chalo step by step dekhte hain.

Step 1 – Install Node.js

Sabse pehle aapko **Node.js** install karna hoga.

Node.js ek tool hai jo aapko browser ke bahar bhi JavaScript code run karne deta hai. React ke tools (jaise npm aur npx) isi ke sath aate hain.

Steps:

1. Browser mein jao: <https://nodejs.org>
2. "LTS (Recommended)" version download karo.
3. Installation process complete hone ke baad, check karo ke Node install hua hai ya nahi.

Terminal (ya CMD) mein likho:

```
node -v  
npm -v
```

Agar version numbers dikh rahe hain (for example v22.0.0), to sab sahi chal raha hai



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Step 2 – Create React App

React project start karne ka sabse asaan tareeqa hai create-react-app use karna. Yeh ek official React CLI tool hai jo automatically sab files aur folders bana deta hai.

Terminal khol kar likho:

```
npx create-react-app myapp
```

Yahan:

- npx ek tool hai jo npm ke sath aata hai.
- create-react-app React project create karne wala command hai.
- myapp aapke project ka naam hai (aap chahein to change bhi kar sakte hain).

Is command ke baad thoda wait karo — React sab dependencies install karega (yeh thoda time le sakta hai depending on internet speed).

Step 3 – Navigate into Project

Ab apne project folder mein jao:

```
cd myapp
```

Aur project ko start karo:

```
npm start
```

Aapka project browser mein open ho jayega:

Default URL: <http://localhost:3000>

Wahan aapko ek blue screen nazar ayegi jisme likha hoga:

“Edit src/App.js and save to reload.”

Mubarak ho! Aapka pehla React project successfully chal gaya.



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Step 4 – Folder Structure Samajh Lo

Thoda time lo aur myapp folder ke andar dekho:

```
myapp/  
├ node_modules/  
├ public/  
├ src/  
├ package.json  
├ README.md  
└ .gitignore
```

Short Explanation:

- **node_modules/** → sab packages (dependencies) yahaan store hotay hain.
- **public/** → static files (like images, favicon, index.html).
- **src/** → yahan humara main React code hota hai (App.js, index.js, etc).
- **package.json** → project ki settings aur packages list.

Abhi ke liye bas yeh samjho ke **App.js** main component hai jo screen pe render hota hai.

Step 5 – Edit Your First React File

Chalo thoda change karte hain taake samajh aaye React kaam kaise karta hai.

Open file:

src/App.js

Ab usme likha code kuch aisa hoga:

```
function App() {  
  return (  
    <div className="App">  
      <h1>Hello World</h1>  
    </div>  
  );  
}
```



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export default App;

Ab browser automatically reload ho jayega aur screen pe “Hello World” likha aayega ☐

Urdu Style Explanation

Dekho bhai, React mein har screen ek “component” hoti hai.

Component ka matlab hota hai — ek reusable piece of UI.

Jaise ek button, ek navbar, ya ek card — sab ek component ho sakte hain.

App.js humara main component hai.

Yahan return() ke andar likha gaya HTML jaisa code **JSX** kehlata hai.

React mein HTML likhne ka special syntax hota hai — jisme aap JavaScript bhi mix kar sakte ho.

Common Mistakes

1. npm start se pehle cd myapp karna bhool jaate hain.
2. Code mein JSX likhte waqt class ki jagah className likhna hota hai.
3. React tabhi chalega jab aapke paas Node.js properly install ho.

Mini Challenge (Practice Task)

Try kar ke dekho:

1. Apne project ka naam react-learning rakho.
2. App.js mein apna naam likho — jaise:
3. <h2>Welcome to React by Imran Shabbir</h2>
4. Browser ke tab ka title change karo:
 - File: public/index.html
 - Find line: <title>React App</title>
 - Change it to: <title>React Learning</title>



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Summary

- Node.js install karna zaroori hai.
- npx create-react-app se project ban jaata hai.
- npm start project run karta hai.
- App.js main React component hota hai.
- JSX HTML jaisa hota hai, lekin andar JS bhi likh sakte hain.

Agla Lecture 2 - next file main milyga...!

(Muhammad Imran Shabbir)

Developer / AI Researcher



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