**17 . REACTJS – HOL**

**React API Integration – fetchuserapp**

**Objectives:**

* Understand how to consume REST APIs from React applications.
* Learn to display fetched data in a component using fetch() inside componentDidMount().

**Prerequisites:**

* Node.js installed
* NPM (comes with Node.js)
* Visual Studio Code

**Step 1: Create the React App**

Open Command Prompt or PowerShell and run:

npx create-react-app fetchuserapp  
code .

**Step 2: Create Getuser.js Component**

Inside src/, create a new file:

src/

Getuser.js

Type code :

import React, { Component } from 'react';

class Getuser extends Component {

constructor(props) {

super(props);

this.state = {

user: null,

loading: true

};

}

componentDidMount() {

fetch('https://api.randomuser.me/')

.then(response => response.json())

.then(data => {

this.setState({ user: data.results[0], loading: false });

})

.catch(error => {

console.error("Error fetching data:", error);

});

}

render() {

const { user, loading } = this.state;

if (loading) {

return <div>Loading user data...</div>;

}

return (

<div style={{ textAlign: 'center', marginTop: '20px' }}>

<h2>User Details</h2>

<p><strong>Title:</strong> {user.name.title}</p>

<p><strong>First Name:</strong> {user.name.first}</p>

<img src={user.picture.large} alt="User" />

</div>

);

}

}

export default Getuser;

**Step 3: Update App.js**

import React from 'react';

import './App.css';

import Getuser from './Getuser';

function App() {

return (

<div className="App">

<Getuser />

</div>

);

}

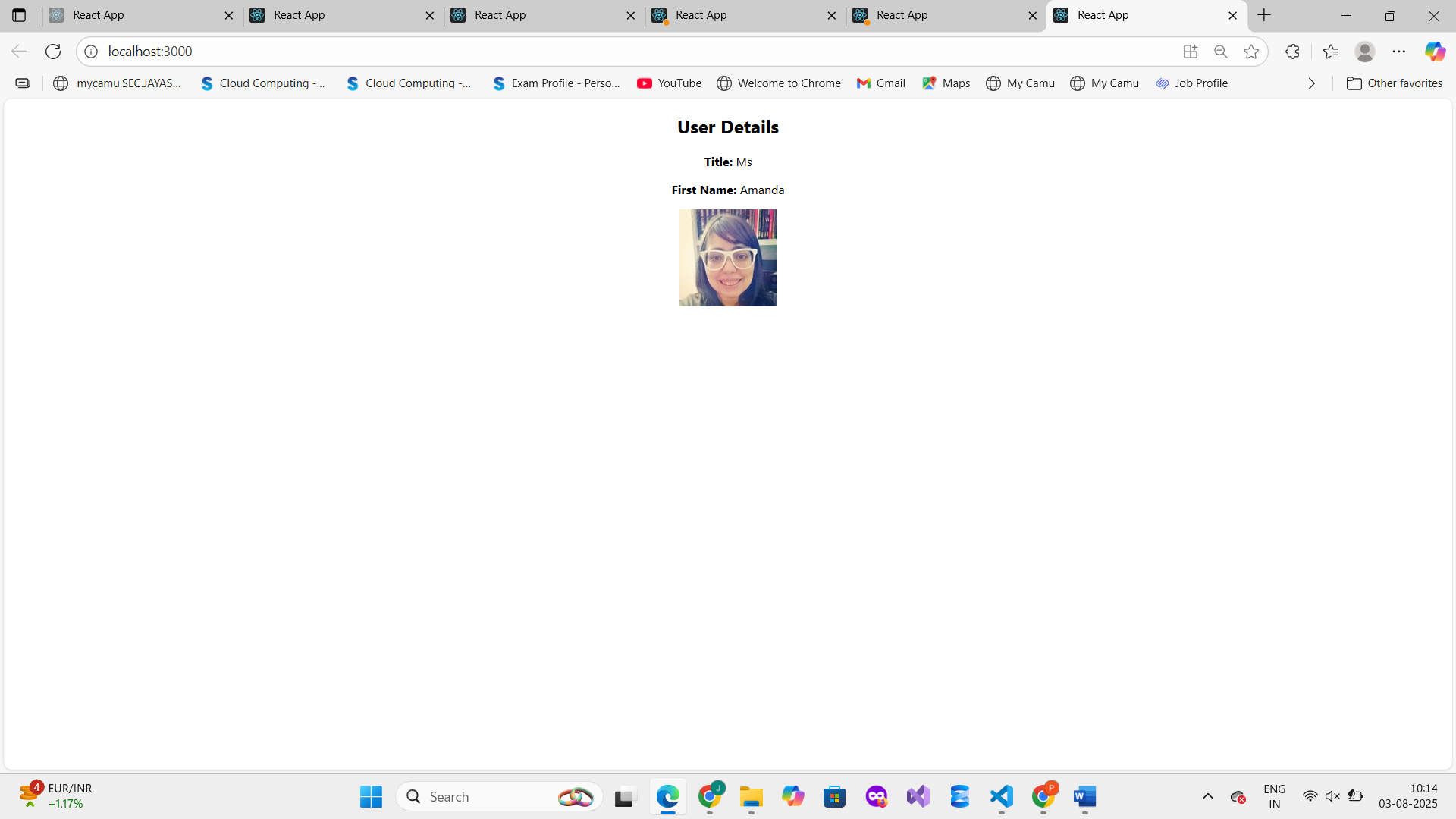
export default App;

**Step 4: Run the App**

In the terminal:

npm start

**Step 5 : Output**

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