



**M.KUMARASAMY**  
**COLLEGE OF ENGINEERING**  
NAAC Accredited Autonomous Institution  
Approved by AICTE & Affiliated to Anna University  
ISO 9001:2015 Certified Institution  
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# **PERSONALIZED NEWS AGGREGATOR**

**A NODE.JS PROJECT REPORT**

*Submitted by*

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**BACHELOR OF TECHNOLOGY**

**IN**

**ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**

**M KUMARASAMY COLLEGE OF ENGINEERING**

**(An Autonomous Institution | Accredited with 'A' Grade by NAAC)**

**THALAVAPALAYAM, KARUR-639 113**

**ANNA UNIVERSITY:: CHENNAI-600025**

**TAMILNADU**

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# PERSONALIZED NEWS AGGREGATOR

## TEAM – H

### DESCRIPTION

The **Personalized News Aggregator** is a dynamic web application designed to enhance user experience by delivering customized news updates based on individual interests and reading habits. Leveraging modern web technologies like Node.js, React.js, and MongoDB, the platform provides a seamless and intuitive interface, ensuring users can easily access relevant news without wading through irrelevant content.

### SOURCE CODE

#### **index.js**

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import './index.css';
import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>
);
```

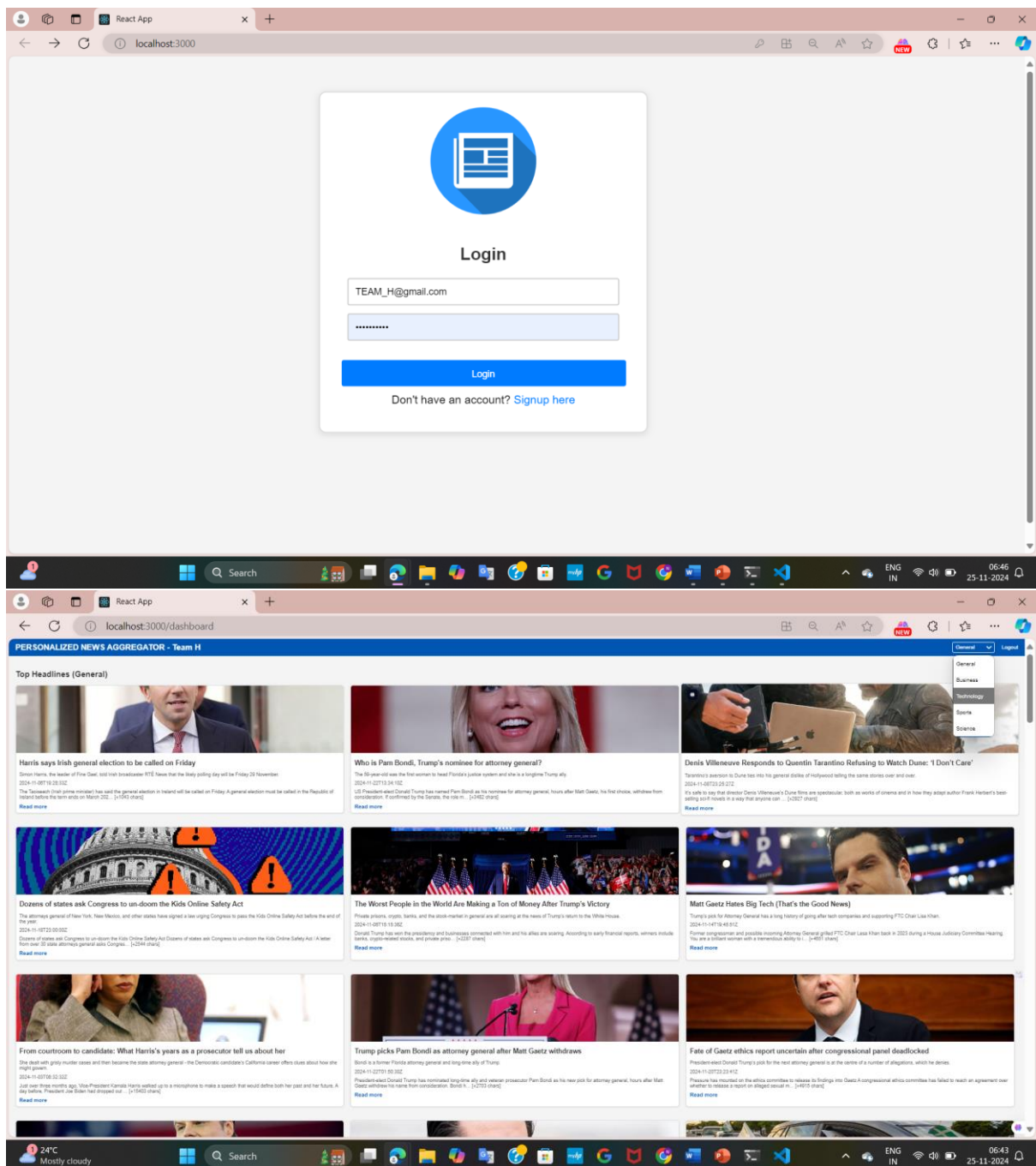
#### **App.js**

```
// src/App.js
import React from 'react';
import { BrowserRouter as Router, Route, Routes } from 'react-router-dom';
import LoginForm from './Components/LoginForm';
import SignupForm from './Components/SignupForm';
import Dashboard from './Components/Dashboard';
import ProtectedRoute from './Components/ProtectedRoute'; // Import the ProtectedRoute component
```

```
import './App.css'; // Import CSS for global styling
```

```
const App = () => {  
  return (  
    <Router>  
      <div className="app">  
        <Routes>  
          <Route exact path="/" element={<LoginForm />} />  
          <Route path="/signup" element={<SignupForm />} />  
          <Route  
            path="/dashboard"  
            element={  
              <ProtectedRoute>  
                <Dashboard />  
              </ProtectedRoute>  
            }  
          />  
        </Routes>  
      </div>  
    </Router>  
  );  
};  
  
export default App;
```

# OUTPUT



# RESULT

With tailored content delivery, the platform fosters user loyalty and repeat usage, as users are consistently provided with content they find valuable.