

# Mathan M

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<https://mathan-portfolio-github-io.vercel.app/>

## Summary

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Frontend Developer with 2+ years of professional experience building scalable, secure, and high-performance web and mobile applications using React.js and React Native. Strong expertise in component-based architecture, hooks (`useState`, `useEffect`, `useRef`), REST API integration, form handling, authentication flows, and state management. Proficient in JavaScript (ES6+), TypeScript, HTML5, CSS3, responsive design (Flexbox, Grid), and modern UI libraries. Experienced in Redux Toolkit, Context API, API error handling, performance optimization, and delivering production-ready features in Agile/Scrum environments.

## Experience

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### Skandavel Digital Private Limited – Thoothukudi, India (Remote)

*Frontend Developer*

*Jun 2024 – Present*

- Worked on **Skewb Ltd Mobile App (React Native)** and **Skewb Works Website (React.js, Material UI)**.
- Led UI bug fixing, feature enhancements, and layout improvements for web and mobile platforms.
- Integrated REST APIs for real-time data rendering and dynamic UI updates.
- Improved performance by reducing unnecessary re-renders using **React.memo**, **useMemo**, and **useCallback**.
- Ensured **responsive and cross-device compatibility** using Flexbox and modern CSS practices.
- Collaborated with backend developers and designers to deliver stable, production-ready features.

*Programmer Trainee*

*Dec 2023 – Jun 2024*

- Contributed to frontend development of the **NEET MCQ mobile application** using **React Native**.
- Fixed critical UI bugs and improved overall UI/UX consistency across multiple mobile screens.
- Implemented **form handling, validations, and API integrations** under senior developer guidance.
- Worked with backend APIs for **question fetching, answer submission, and result tracking**.
- Gained hands-on experience in **React Native fundamentals, component lifecycle, state management, and production workflows**.

## Projects

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### ConnectMe Portal

*React.js*

- Developed and maintained a **scalable frontend application** with strong focus on **responsive UI design**.
- Implemented **dynamic multi-step forms** with client-side validations and conditional rendering.
- Integrated APIs using a **service-based architecture** for better separation of concerns.
- Optimized **component reusability and code structure**, improving development efficiency by **20%**.

### Skewb Works

*React.js / React Native*

- Enhanced dashboard and mobile UI by integrating REST APIs for real-time data rendering.
- Improved application performance by reducing unnecessary re-renders using **React.memo**.
- Optimized layout responsiveness to ensure consistent UI across multiple screen sizes and devices.

### NEET MCQ App

*React Native*

- Built an **API-driven quiz application** supporting real-time question fetching and answer submission.
- Implemented structured state flow for **MCQ navigation, validation, and result tracking**.
- Designed an exam-oriented user experience focused on smooth navigation and reliability.

## Skills

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**Frontend:** React.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Responsive Design (Flexbox, Grid)

**React Ecosystem:** Hooks, Redux Toolkit, Context API, React Router

**Forms & Validation:** Controlled Components, Client-side Validation

**API & Networking:** REST APIs, Axios, Fetch, Error Handling

**Performance:** Memoization, Lazy Loading, Code Splitting

**Mobile:** React Native (Expo, CLI)

**UI Libraries:** Material UI, Bootstrap, Tailwind CSS

**Tools:** Git, GitHub, Postman, VS Code, Android Studio, JIRA

## Education

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**B.E. Computer Science and Engineering,** Sethu Institute of Technology

CGPA: 8.03 / 10

## Languages

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English (Professional), Tamil (Native)