Barath Raj K

Software Developer

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Summary

Passionate software developer with a strong foundation in programming fundamentals, data structures, and object-oriented design, and hands-on experience building scalable web applications. Proficient in Java and JavaScript, with experience developing responsive user interfaces using ReactJS, HTML, CSS, and Tailwind CSS. Familiar with RESTful APIs and CRUD operations, and eager in learning backend, data handling through real-world projects.

Technical Skills

- **Programming Languages:** Java, JavaScript (ES6+), Python.
- **Web Development:** ReactJS, HTML5, CSS3, Tailwind CSS, SQL
- **Testing:** Manual Testing, Regression Testing, Automation Testing, Postman
- **Tools/Others:** GitHub, Data Structures and Algorithms, Object-Oriented Programming (OOP).

Experience

Frontend Developer Intern　　　　　　　　　　　　　　　　　　　　　　　*August 2025*
Leastaction Company

- Developed and maintained the company's official website using ReactJS, Tailwind CSS, and native JavaScript ensuring responsiveness, cross-browser compatibility, and optimal performance. Implemented production-ready web features using React.js and Tailwind CSS; built a reusable component library that reduced development effort by ~20%.-followed SDLC best practices, participated in debugging, documentation, and peer code reviews
- Collaborated with designers and backend engineers in Agile sprints to translate requirements into polished UI component

Projects

Money Manager - Finance Tracking Application　　　　　　　　　　　　*Money Monk/* ☑

- Built a full-stack personal finance tracker enabling users to record income/expense transactions and view dashboard analytics.
  - Implemented secure authentication using JWT and bcryptjs, with middleware-protected APIs ensuring user-specific data isolation.
  - Developed REST APIs with advanced filtering (type/category/division/date range) using MongoDB query operators for efficient retrieval.
- Tools Used: React.js, Node.js, Express.js, MongoDB Atlas, Mongoose, JWT, bcryptjs

MovieVerse　　　　　　　　　　　　　　　　　　　　　　　　　　　*Movie-App/* ☑

- Built an interactive movie gallery consuming TMDB APIs to display 5,000+ movie records with search and filter features.
  - Created a pixel-perfect, modular UI using React Hooks, optimized for performance and scalability.
  - Implemented efficient state management and caching, reducing redundant API calls by 25% and improving performance.
  - Currently developing a backend service using Express.js and MongoDB to add features like user-auth and watch-list.
- Tools Used: ReactJS, Tailwind CSS, TMDB API, GitHub

Education

Hindusthan College of Engineering and Technology - Coimbatore　　　*Nov 2021 – May 2025*
BE Electronics and Communication

- CGPA: 8/10
- **Coursework:** Electronics and Communication, Programming, Computer fundamentals, Object Oriented Programming, Data Structures