

Bala Krishnan N

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SUMMARY

Analytical Full Stack Developer specializing in the MERN stack (MongoDB, Express.js, React.js, Node.js). Leverages professional experience as a Data Analyst at MSCI to build scalable, data-driven web applications. Proven ability to develop responsive front-end UIs with React and Redux, build and integrate RESTful APIs, and manage complex datasets. Eager to apply a unique blend of technical expertise and analytical rigor to deliver high-impact software solutions.

TECHNICAL SKILLS

- Front-End: React.js, Redux, JavaScript (ES6+), HTML, CSS, Tailwind CSS, Responsive Web Design.
- Back-End: Node.js, Express.js, RESTful APIs, API Integration
- Databases: MongoDB.
- Tools & Version Control: Git, GitHub, VS Code, npm.

PROJECTS

Personal Portfolio Website | HTML5, CSS, Responsive Web Design

Developed a responsive personal portfolio website using HTML5 and CSS3 to showcase professional skills, education, experience, and contact details. Implemented structured layout using Flexbox for improved usability and cross-device compatibility. Designed interactive sections including Skills, Education, Experience, and Contact Form with focus on UI/UX design principles, accessibility, and performance optimisation. Ensured cross-browser compatibility, clean code structure, and mobile-first responsiveness following modern web development standards.

Apple Website Clone | React.js, Tailwind CSS, Vite

Developed a responsive Apple website clone using **React.js** and **Tailwind CSS** with a **component-based architecture** for scalable UI development. Implemented **mobile-first responsive design**, modern UI/UX principles, and optimized performance using **Vite** for fast builds and clean state management.

Technologies: React.js, Tailwind CSS, JavaScript (ES6), Vite, Responsive Web Design, Flexbox.

PROFESSIONAL EXPERIENCE

Data Analyst | MSCI | May 2024 – Nov 2025

- Maintain the accuracy, integrity, and timeliness of large-scale financial datasets including pricing, fundamentals, and ESG data used by global asset managers and institutional investors.
- Collaborate cross-functionally with data operations and technology teams to manage internal databases and support core business functions.
- Led team operations to ensure 100% on-time delivery of critical data files under tight deadlines.
- Developed and implemented automated prompts/workflows that reduced processing time significantly while improving operational efficiency and data accuracy.
- Follow strict data governance, quality control, and compliance standards to meet enterprise-level reporting requirements.

EDUCATION

Master of Computer Science

July 2022 – April 2024

Dr NGP Arts and Science College, Coimbatore

Bachelor of Computer Science

June 2019 – April 2022

Dr NGP Arts and Science College, Coimbatore

Professional Certifications

- MERN Full Stack Development | Error Makes Clever
- Generative AI and LLM Training | Error Makes Clever
- Basic of Web Designing | Gateway Software Solution