Manikandan S

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PROFESSIONAL SUMMARY

Associate Software Engineer with 6+ months of experience in Web development. Skilled in building responsive web applications, integrate APIs, and CRUD operations following SDLC and Agile methodologies.

EDUCATION

- **K.S.R. College of Engineering** — Namakkal, Tamil Nadu, India
  Bachelor of Technology - Information Technology; CGPA: 6.9/10 — *July 2020 - June 2024*
  Courses: *Data Structures, Algorithms, Web Technologies, Database Management Systems, Operating Systems, Software Engineering*

- **Shri Vidhya Bharathi Institutions** — Tamil Nadu, India
  Higher Secondary (HSC); Percentage: 63% — *2020*

TECHNICAL SKILLS

- **Languages**: JavaScript (ES6+), TypeScript, HTML5, CSS3, Python, SQL
- **Frameworks & Libraries**: React.js, React Router, Bootstrap, Tailwind CSS, Node.js, Express.js
- **Tools & Technologies**: Git, GitHub, VS Code, Chrome DevTools, npm, Vite, Postman, JSON, RESTful APIs
- **Databases**: MongoDB, MySQL (Basic)
- **Development Practices**: Responsive Web Design, Component-Based Architecture, CRUD Operations, Cross-Browser Compatibility
- **Soft Skills**: Problem Solving, Team Collaboration, Quick Learning, Adaptability, Communication

EXPERIENCE

- **Code Rays IT Pvt Ltd** — Chennai, India
  Web Developer Trainee (Intern) — *May 28, 2024 - Nov 02, 2024*
  - **Application Development (SDLC)**: Designed, developed, tested, and maintained responsive web application modules using React.js, JavaScript, HTML5, and CSS3 following the Software Development Life Cycle (SDLC).
  - **Form Validation & Data Handling**: Implemented client-side validation, error handling, and input sanitization using controlled components to improve data accuracy and user experience.
  - **Debugging & Optimization**: Performed debugging, bug fixing, and performance optimization to improve application speed and stability across multiple devices and browsers.
  - **Integration & Stability**: Integrated frontend components with backend systems (Shopify/APIs) and ensured proper data flow, error handling, and application stability.
  - **Agile & Version Control**: Participated in code reviews, testing cycles, and version control using Git in an Agile/Scrum development environment.

PROJECTS

- **Shop Sphere - E-Commerce Web Application (MERN Stack)**:
  Developed a full-stack MERN e-commerce application with secure and scalable architecture.
  Implemented product listing, advanced filtering, search functionality, shopping cart management, user authentication, and checkout flow.
  Designed RESTful APIs in Node.js and Express.js to handle product, user, and order management.
  Tech: MongoDB, Express.js, React.js, Node.js, , HTML5, CSS3, Tailwind CSS

- **Employee Management System [Live Demo]**: Created CRUD-based employee management application using vanilla JavaScript with DOM manipulation. Implemented features for adding, updating, deleting, and viewing employee records with intuitive UI/UX. Utilized localStorage for data persistence and dynamic table rendering.
  Tech: HTML5, CSS3, JavaScript, Bootstrap

- **Cream Stones - Restaurant Landing Page [Live Demo]**:
  Developed responsive restaurant landing page with dynamic product filtering and interactive UI. Implemented real-time filtering by categories using React state management and conditional rendering. Built reusable React components for product cards and filter buttons with dynamic UI updates.
  Tech: React.js, JSX, CSS3, Tailwind CSS

- **Portfolio Website [Live Demo]**:
  Built responsive personal portfolio website using HTML, CSS, and JavaScript to showcase professional projects and technical skills.
  Implemented interactive UI elements with smooth scrolling and mobile-first responsive design.
  Deployed on Vercel with CI/CD pipeline for automatic updates.
  Tech: HTML5, CSS3, JavaScript, Vercel

TRAINING & CERTIFICATIONS

- **Frontend Development Course - Besant Technologies**: Completed comprehensive 5-month intensive training program covering full-stack web development fundamentals. Gained hands-on experience in HTML5, CSS3, JavaScript ES6+, React.js framework, Bootstrap, and Java basics. Developed multiple real-world projects using Git version control in agile environment. Tech: HTML, CSS, JavaScript, React, Bootstrap, Git (Nov 2024 - March 2025)

Core Competencies

- Software Development Life Cycle (SDLC), Requirement Analysis, Implementation, Deployment
- Unit Testing, Functional Testing, Debugging, Troubleshooting
- OOP Basics, Data Structures & Algorithms (Basic)
- Code Review, Version Control (Git), Agile / Scrum Methodology

Professional Highlights

- Developed 5+ production-ready web applications with focus on responsive design and performance optimization
- Hands-on experience with React.js and exposure to backend development using Node.js, Express.js, and MongoDB
- Quick learner with proven ability to adapt to new frameworks and technologies including modern JavaScript ES6+
- Strong commitment to creating accessible, high-performance, and cross-browser compatible web applications
- Hands-on experience with Git version control, Agile methodologies, and collaborative development environments