

# MANIKANDAN R S

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## Experience:

### Junior Software Engineer, Cognizant Technology Solutions

Aug 2022 – Present

- Developed and maintained various web application features using **React** and **Redux**, significantly improving application performance by **35%** through optimized state management and component architecture.
- Utilized **Tailwind CSS** to design responsive and visually appealing user interfaces, reducing development time by **25%** and enhancing user satisfaction.
- Developed robust server-side applications and **RESTful APIs** with **Node.js** and **Express.js**, improving data retrieval and communication between client and server by **45%**.
- Implemented **JWT** authentication, increasing security and user verification efficiency by **50%**, ensuring secure user sessions, Integrated secure **payment gateways**, enhancing transaction processing speed by **35%** and ensuring seamless online payments.
- Applied **Jest** for unit testing, increasing code reliability and reducing bugs by **30%**, ensuring robust application performance.

### Technical Skills:

Programming Languages	JavaScript, HTML, CSS
Tools & Platforms	Git, GitHub, Render, Firebase, Postman, Figma, AWS (S3, EC2, Route 53)
Frameworks & Libraries	React.js, Redux, Node.js, Tailwind CSS, Jest, JWT, Parcel
DBMS and ORMs	MongoDB, Mongoose, SQL

### Internship:

### Software Engineer Trainee, Cognizant Technology Solutions

Jan 2022 – July 2022

- Acquired foundational knowledge in web development concepts, including HTML, CSS and JavaScript.
- Participated in training sessions to understand the components of the Web Development.
- Demonstrated enthusiasm for learning by actively engaging in team discussions, completing assigned tasks, and exploring industry best practices.

## Projects:

### eCommerce Website

Jan'2024

[Live Link](#) | [GitHub](#)

- Developed an e-commerce website using the MERN stack (MongoDB, Express.js, React, Node.js), ensuring a robust and scalable platform for online shopping.
- Implemented Shimmer UI and lazy loading to improve page load times and user experience.
- Integrated Razorpay payment gateway to facilitate secure and efficient online transactions, improving user experience and ensuring seamless payment processing.
- Utilized Node Mailer to implement automated email notifications for order confirmations, shipping updates, and user account activities, improving communication and user engagement.

### Admin Dashboard for eCommerce Website

June'2024

[Live Dashboard](#) | [GitHub](#)

- Developed an admin dashboard for an e-commerce website, implemented features for administrators to add, delete, and modify products, ensuring efficient product management.
- Utilized **Parcel** to build and optimize the admin dashboard application, improving build times and performance.
- Implemented JWT authorization to ensure secure user access and session management, enhancing overall security and user trust.

## Education:

### PSNA College of Engineering and Technology, Dindigul.

Aug'2018 – July'2022

Bachelor of Engineering in Electronics and Communication Engineering

83.5%

## Certificates:

- Recently completed Gen AI Intermediate Voyager Prompt Techniques and Partner offerings.
- Certified on GitHub Copilot , AWS Codewhisperer.