

SARATH M R

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PROFESSIONAL SUMMARY

Enthusiastic and detail-oriented entry-level IT professional with practical experience in web development, programming, and cybersecurity. Strong background in full-stack development, cloud technologies, and troubleshooting. Quick learner, adaptable team player, and passionate about solving real-world problems with innovative technology solutions.

EXPERIENCE

Software Developer, Expectation Walkers GenAI Research and Services Pvt Ltd – Nov 2024 – Jun 2025
Thrissur

- Developed real-time AI content monitoring with chatbot support for user education
- Integrated text-to-speech via Unreal Speech API with GridFS, reducing audio load time by 75%
- Engineered Chrome extension with passwordless magic links and AI threat detection, reducing login time by 65% and boosting security by 85%
- Built an AI-driven learning platform with GPT integration and 5-tier modular curriculum, cutting content creation time by 80%

PROJECTS

1. **Tool Trove** - A Full-Stack E-Commerce Platform for Power Tools March 2024

- Designed and developed a responsive e-commerce platform exclusively for power tools, resulting in a **30% faster page load time** and **40% higher user engagement**.
- Implemented dynamic product listings, secure cart and checkout systems, and user authentication with session management, leading to a **25% reduction in cart abandonment**.
- Optimized performance using lazy loading, CDN integration, and database indexing, which **improved site speed by 35%** and **reduced server response time**.
- **Tech Stack:** React, Node.js, MongoDB, Redux, PayPal API

2. **MediForte** - A Full-Stack Hospital Management System April 2025

- Developed a full stack hospital management system using **MERN stack**, enabling seamless patient registration, doctor scheduling, and billing.
- Automated appointment and billing workflows, resulting in a **50% reduction in manual errors** and **30% faster service delivery**.
- Designed an interactive dashboard using **Chart.js** for real-time analytics of patient visits, revenue, and department performance.
- **Tech Stack:** React, Node, JWT, REST API, Material UI , Firebase, Chart.js

TECHNICAL & COMPETENCIES

Programming Language: Python, JavaScript, Java, HTML, TypeScript

Web Development: React, Node, MongoDB, Redux, Tailwind CSS, REST APIs, Material UI

Cloud & DevOps: AWS EC2, Firebase, Docker, Git, GitHub

Soft Skills: Communication, Quick Learning, Team Player, Problem Solving, Adaptability, Attention to Detail

EDUCATION

Amal Jyothi College of Engineering, Master of Computer Application Oct 2022 – Aug 2024

- GPA: 7.09